

FIG. 1

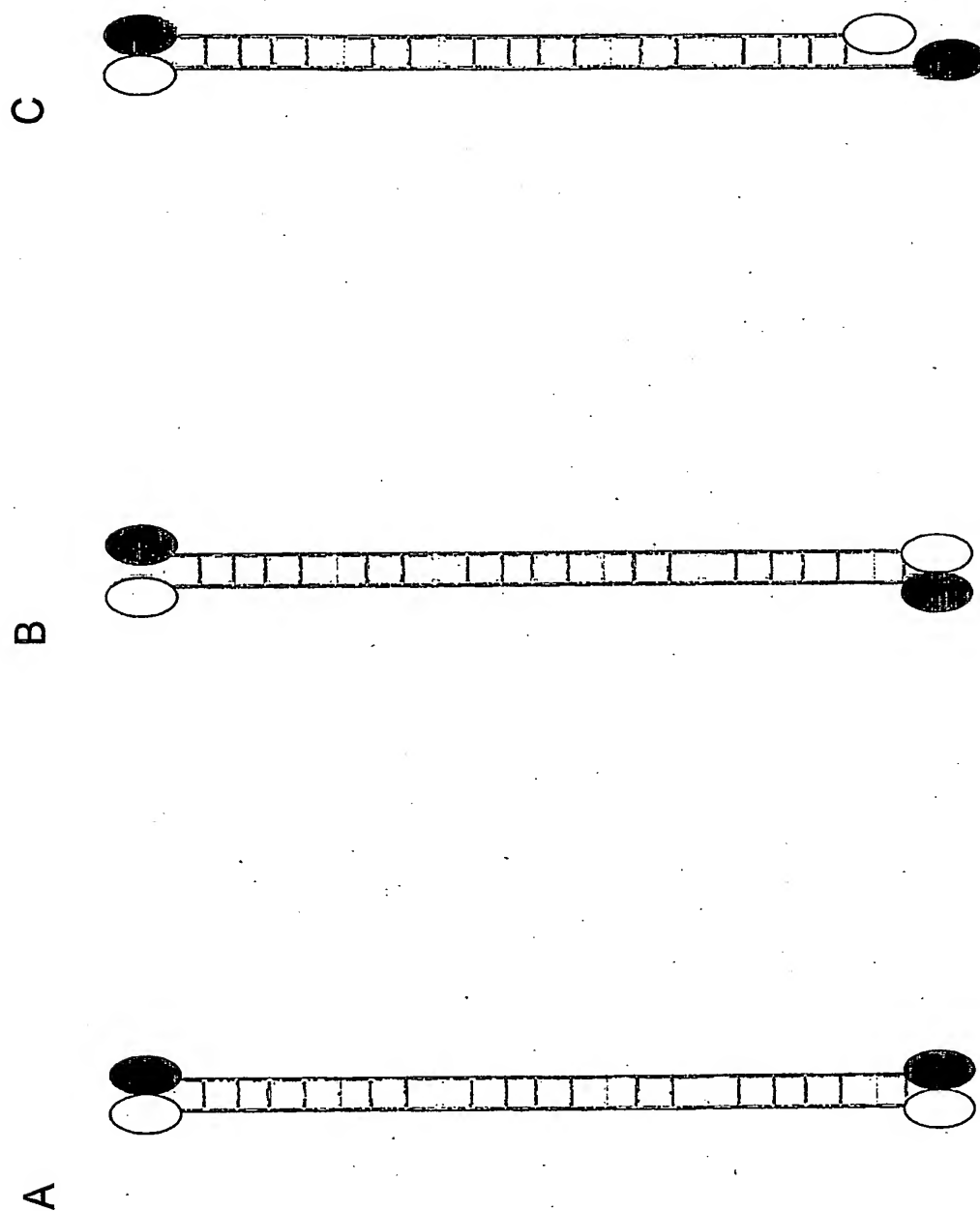


FIG. 2

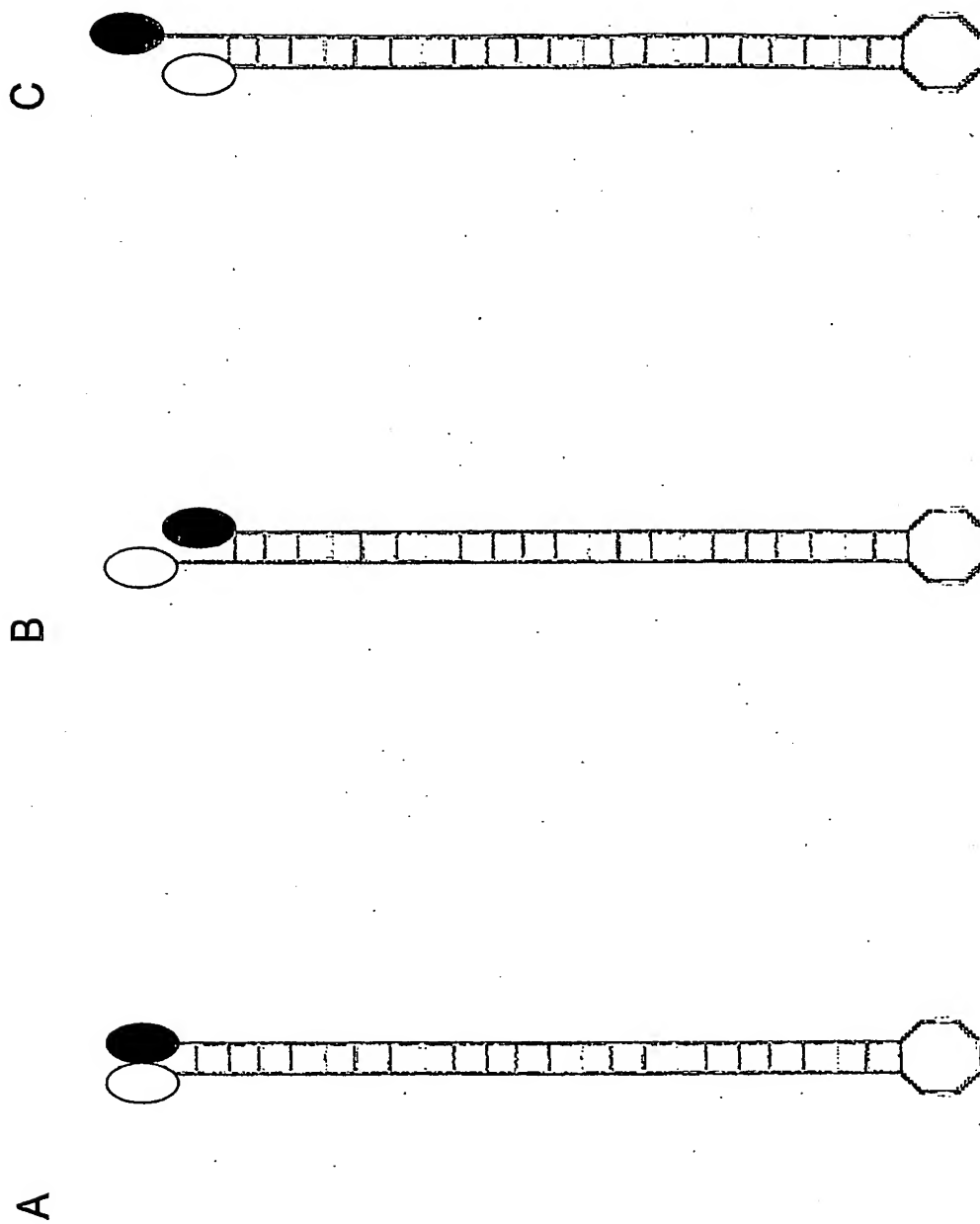


FIG. 3

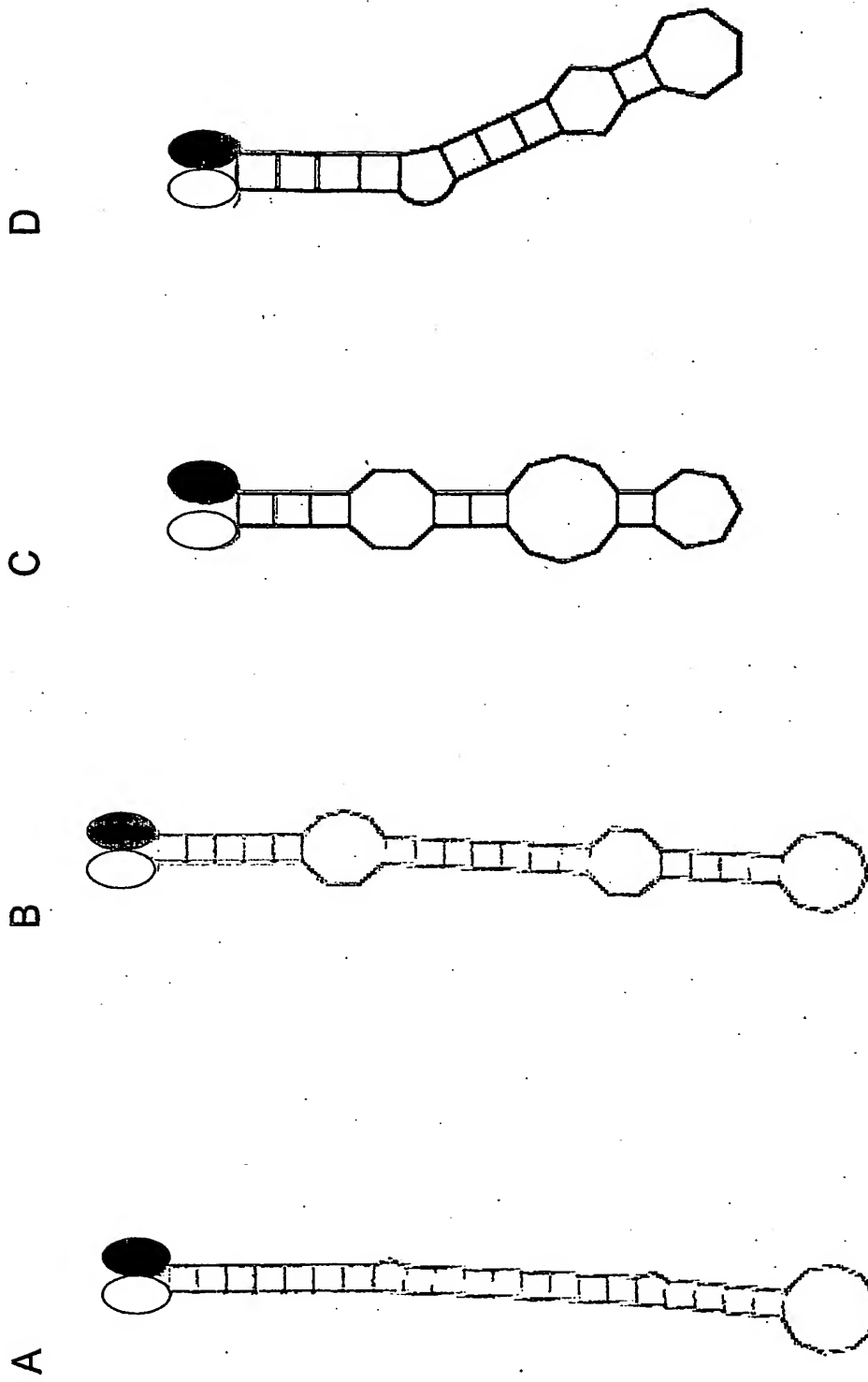


FIG. 4

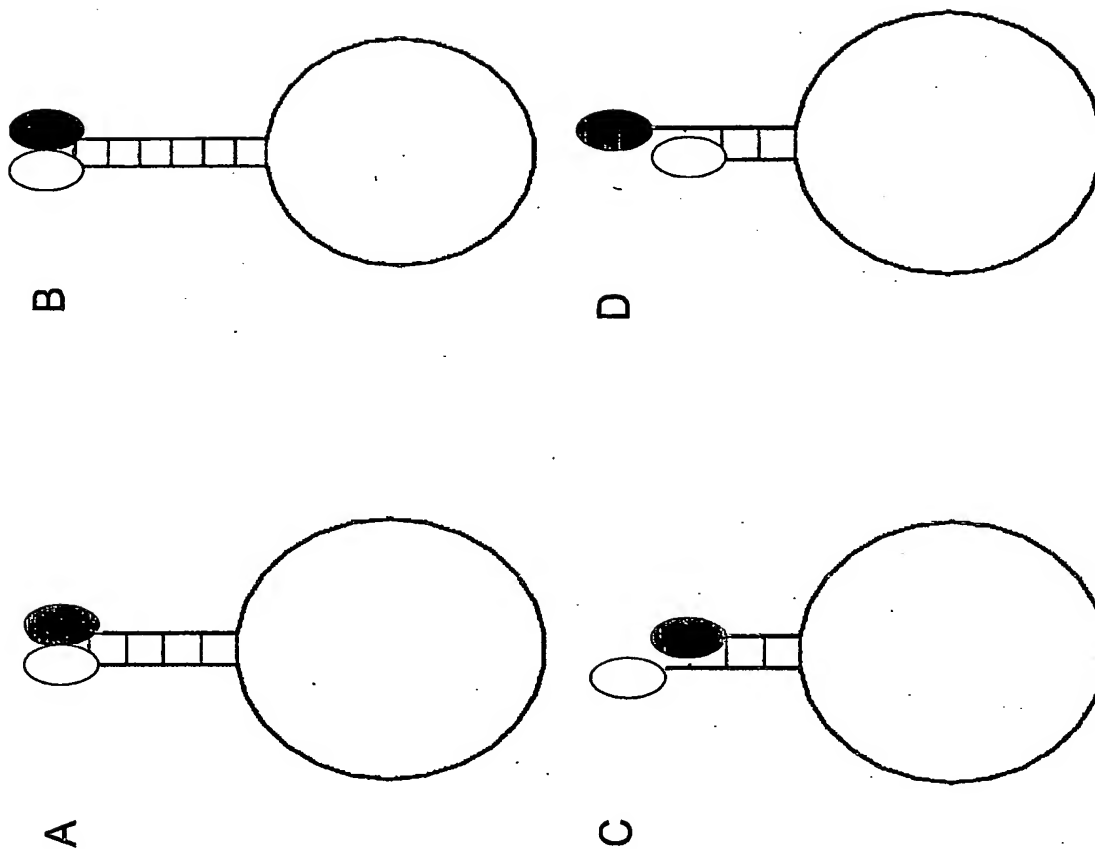


FIG. 5

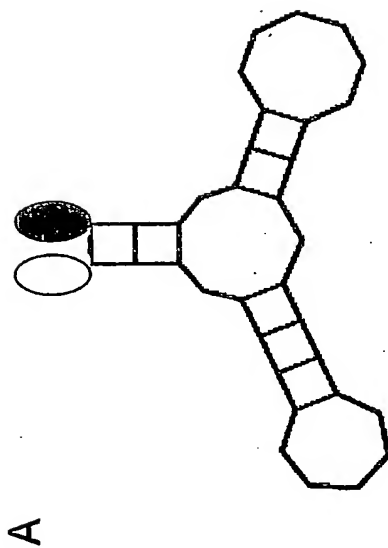
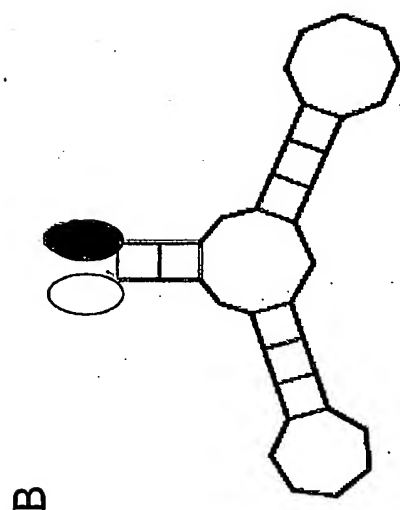
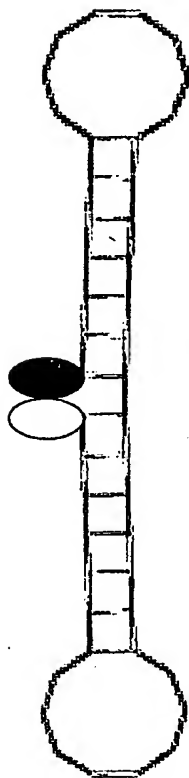


FIG. 6

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B



A

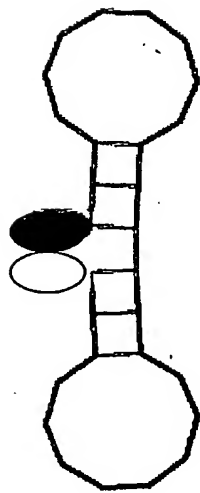
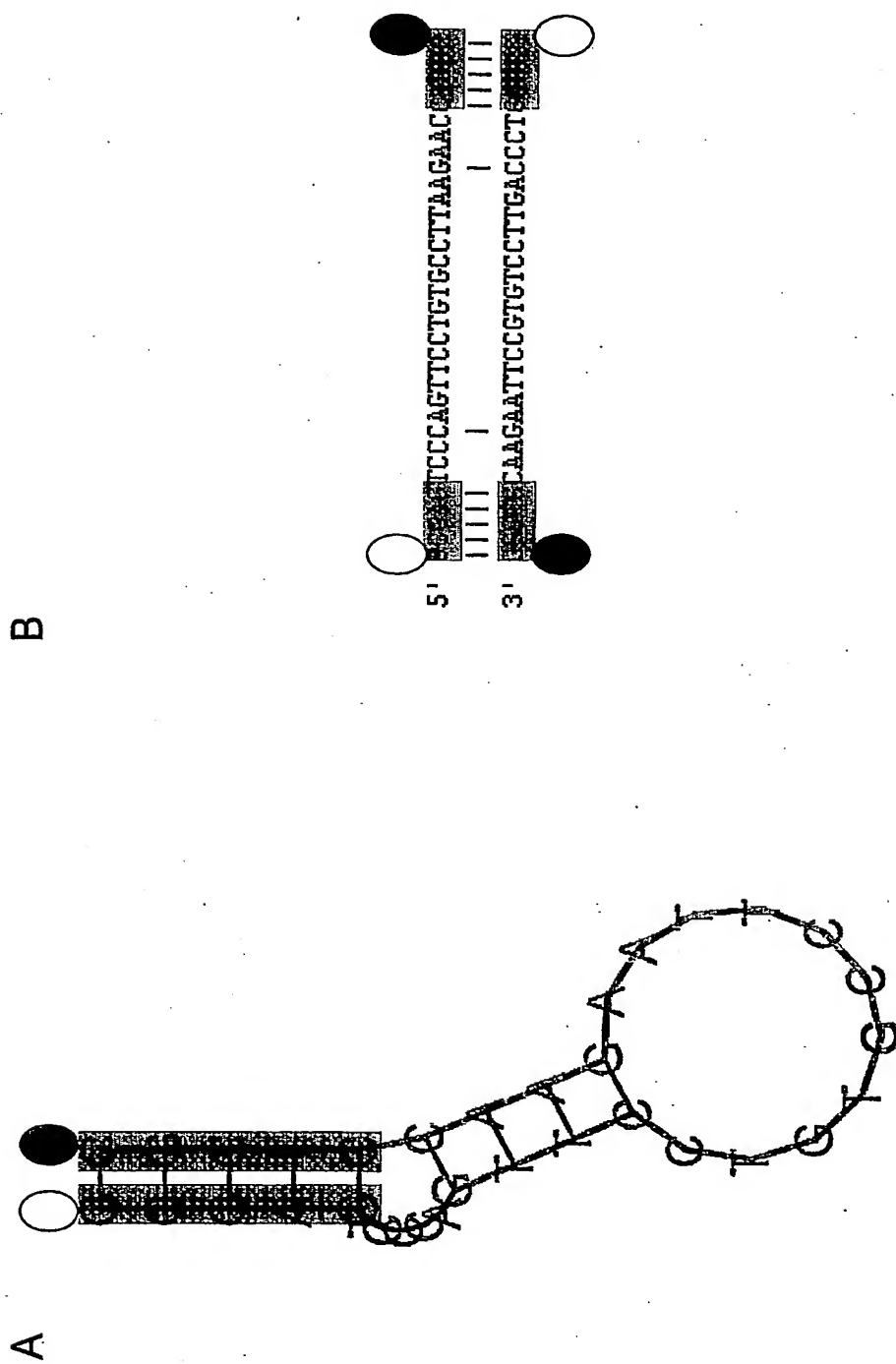
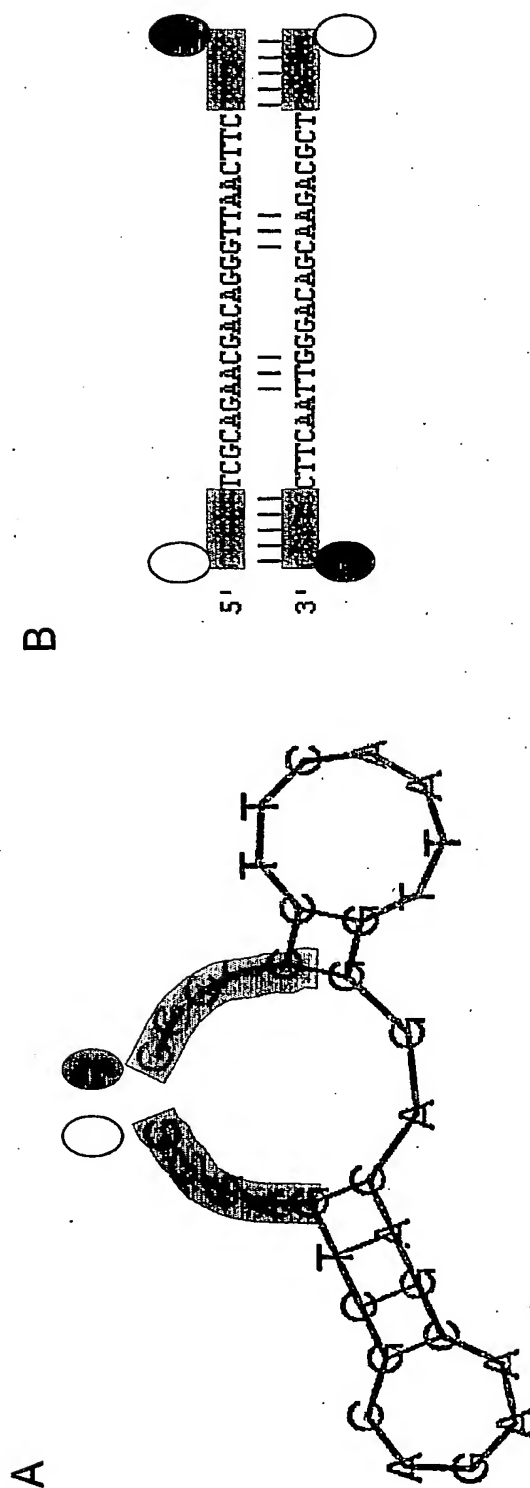


FIG. 7



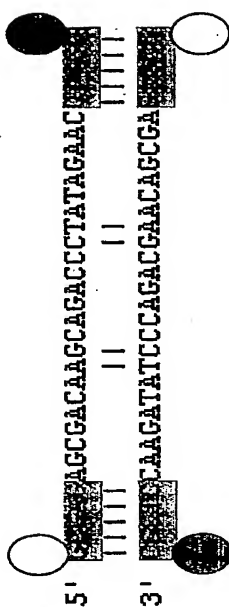
FP1 5' GCGAG TCCAGTTCCTGTGCCTTAAGAACCTCGC 3'

FIG. 8



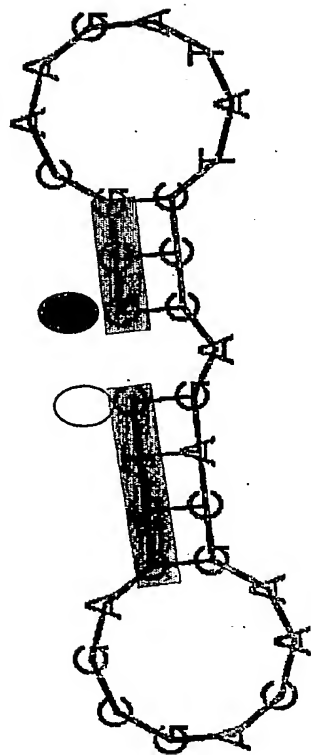
FP2 5' GCGAG TCGCAGAACGACAGGGTTAACTTCCTCGC 3'

FIG. 9



FP3 5' GCGAG AGCGACAAGCAGACCCCTATAGAAC CTCGC 3'

FIG. 10



FP4 5' CTGC AGCGACAAGCAGACCCTATAGAAC GGG 3'

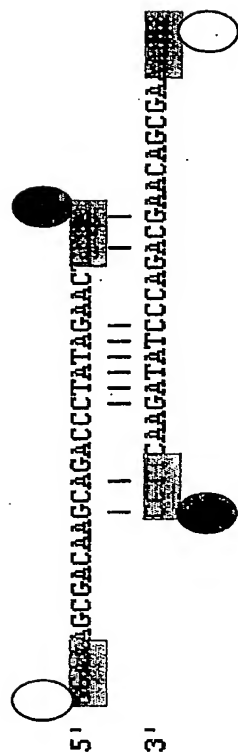
FIG. 11

FP5 5' gga TCCCAGTTCCTGTGCCCTTAAGAAC tcc 3'

FIG. 12

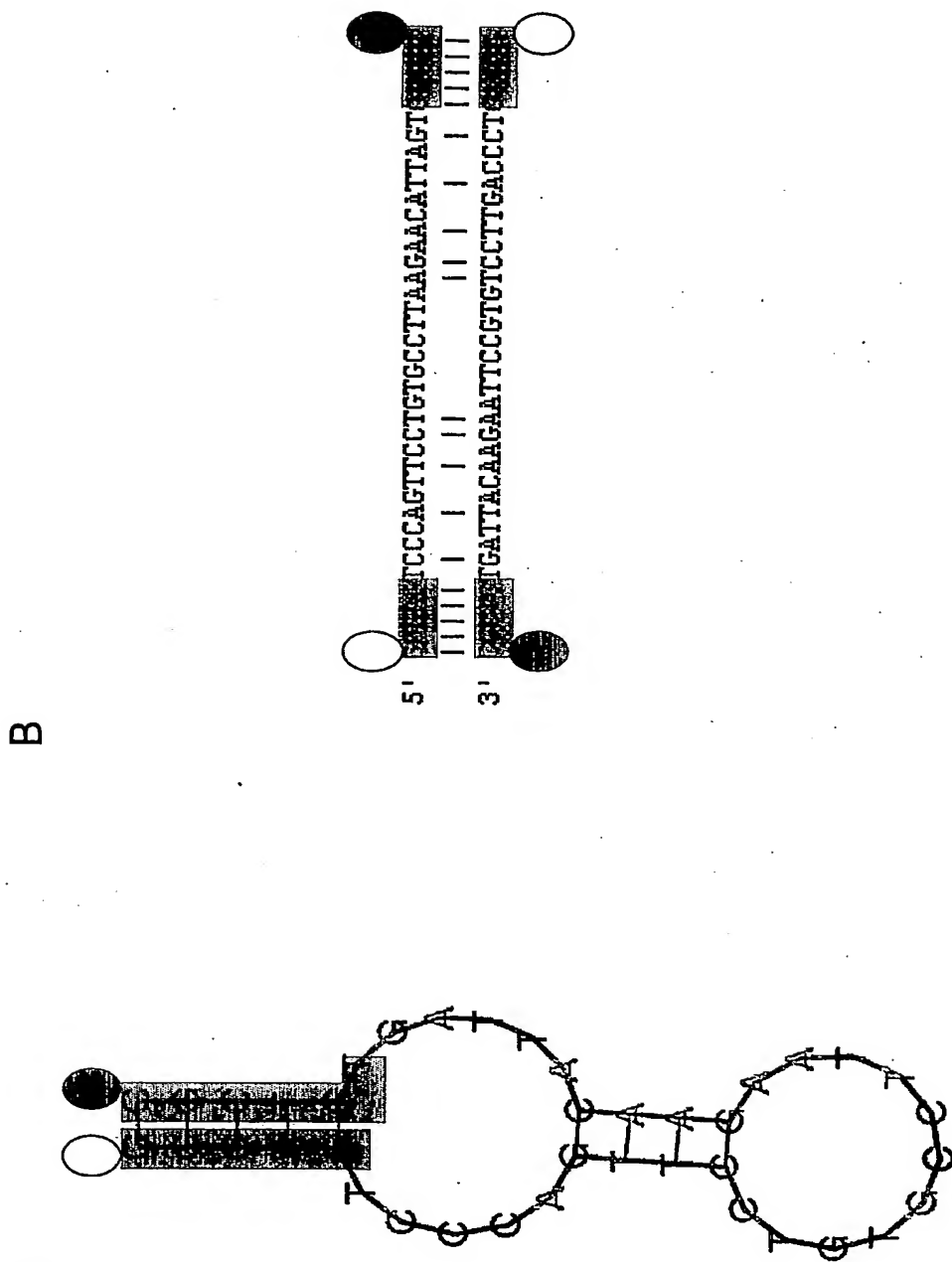
FP6 5' gga TCGCAGAACGACAGGGTTAACTTC tcc 3'

FIG. 13



FP7 5' ggaa AGCGACAAGCAGACCCCTATAGAAC ttcc 3'

FIG. 14



FP8 5' GCGAG TCCCAGTTCCTGTGCCTTAAGAACattagtCTCGC 3'

FIG. 15

FP9 5' gga TCCCAGTTCCTGTGCCCTTAAGAACattagttcc 3'

FIG. 16

FP10 5' gtgat TCCCAGTTCCTGTGCCCTTAAGAAC atcac 3'

FIG. 17

FP11 5' ggac TCCCAGTTCCTGTGCCCTTAAGAAC gtcc 3'

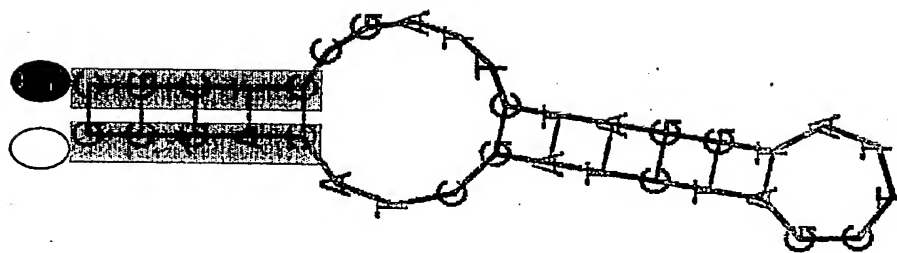
FIG. 18

FP12 5' ggg TCCAGTTCCTGTGCCTTAAGAAC ccc 3'

FIG. 19

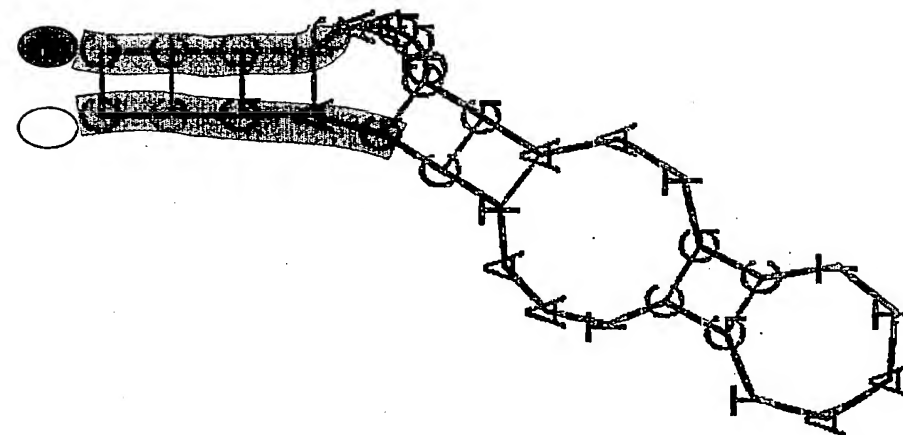
FP13 5' gccg TCCCAGTTCCTGTGCCTTAAGAAC cgc 3'

FIG. 20

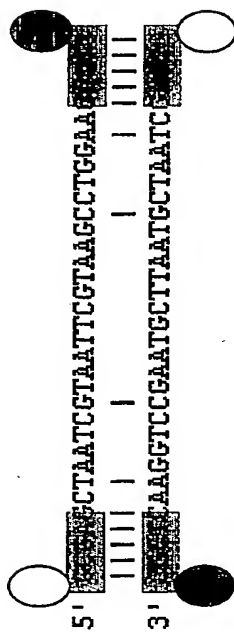


FP14 5' gcgag ATCGATCTAGCTTATGGATCCTTAGC CTCGC 3'

FIG. 21

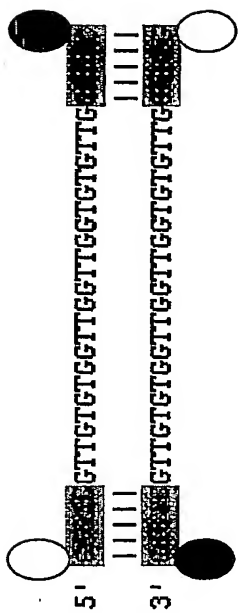
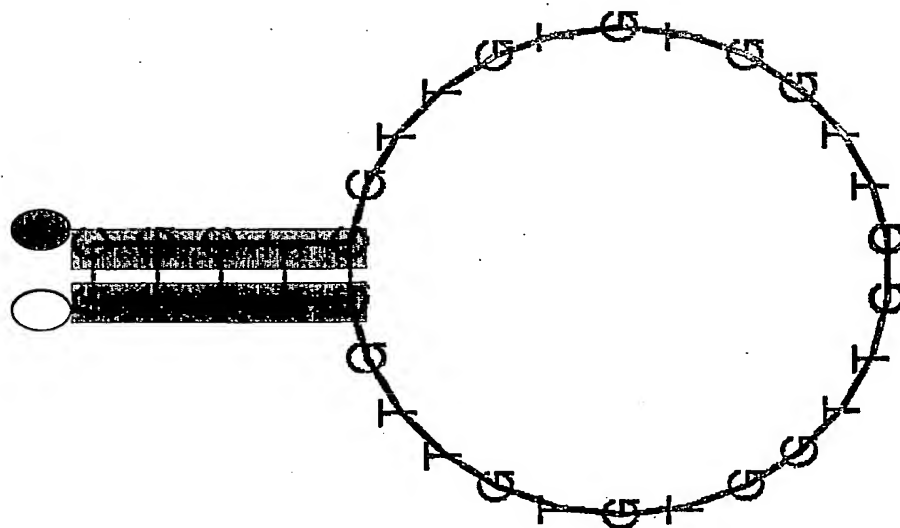


B



FP15 5' gcgag CTAATCGTAATTCGTAAGCCTGGAA CTCGC 3'

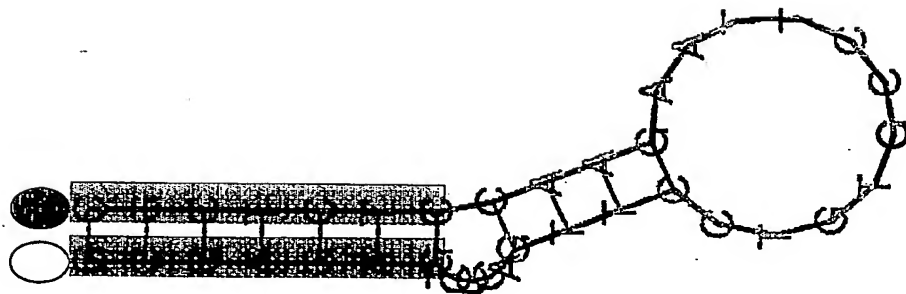
FIG. 22



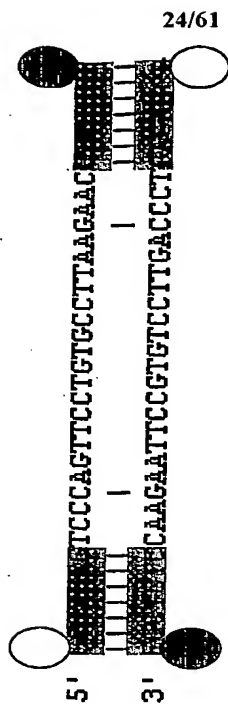
FP16 5' gccgag GTTGTGTGGTTGGTTGGTGTGTTG ctcgc 3'

FIG. 23

A



B



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FP17 5' GCGAGAG TCCCAGTTCCTGTGCTTAAGAAC CTCTCGC 3'

FIG. 24

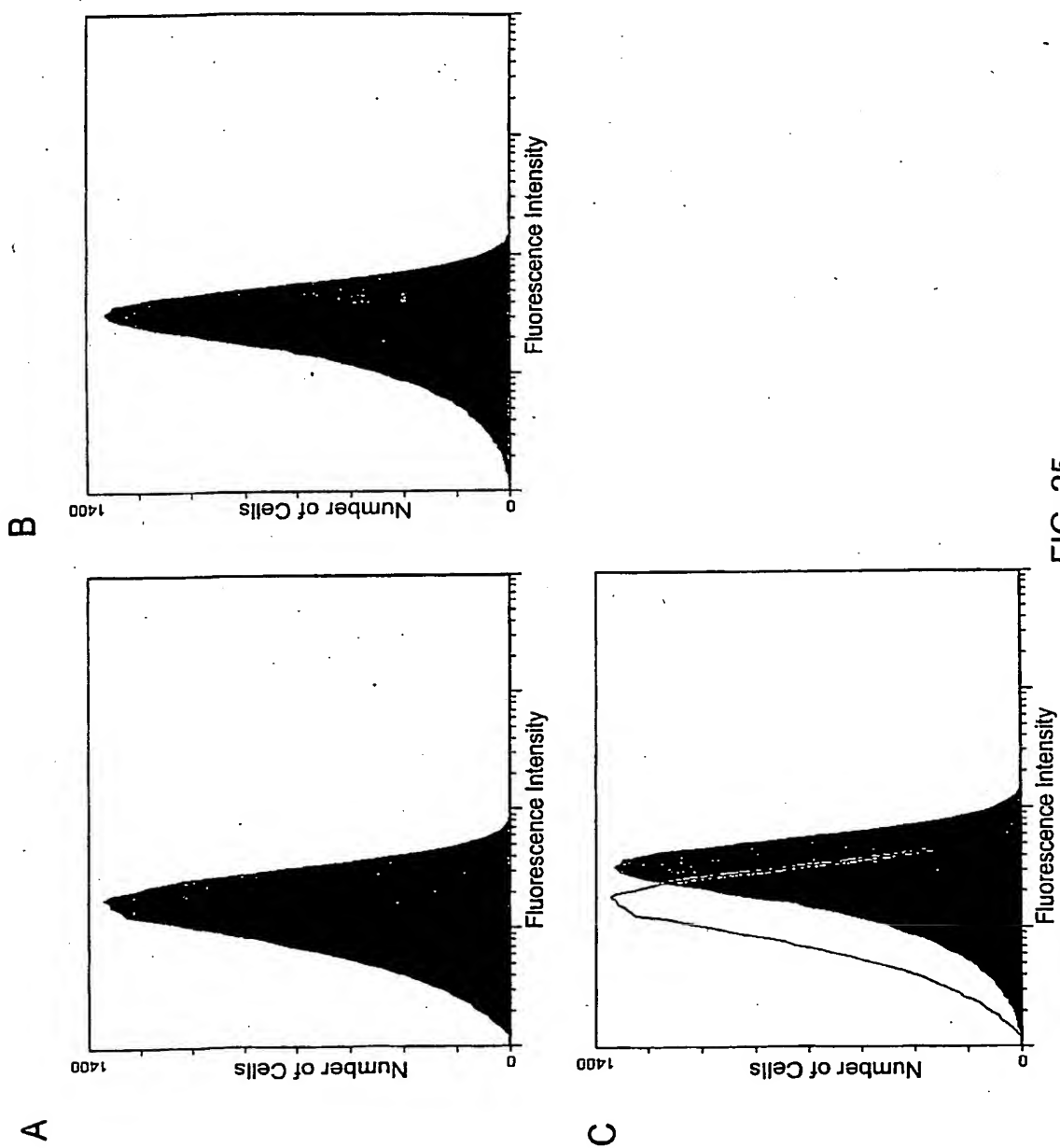


FIG. 25

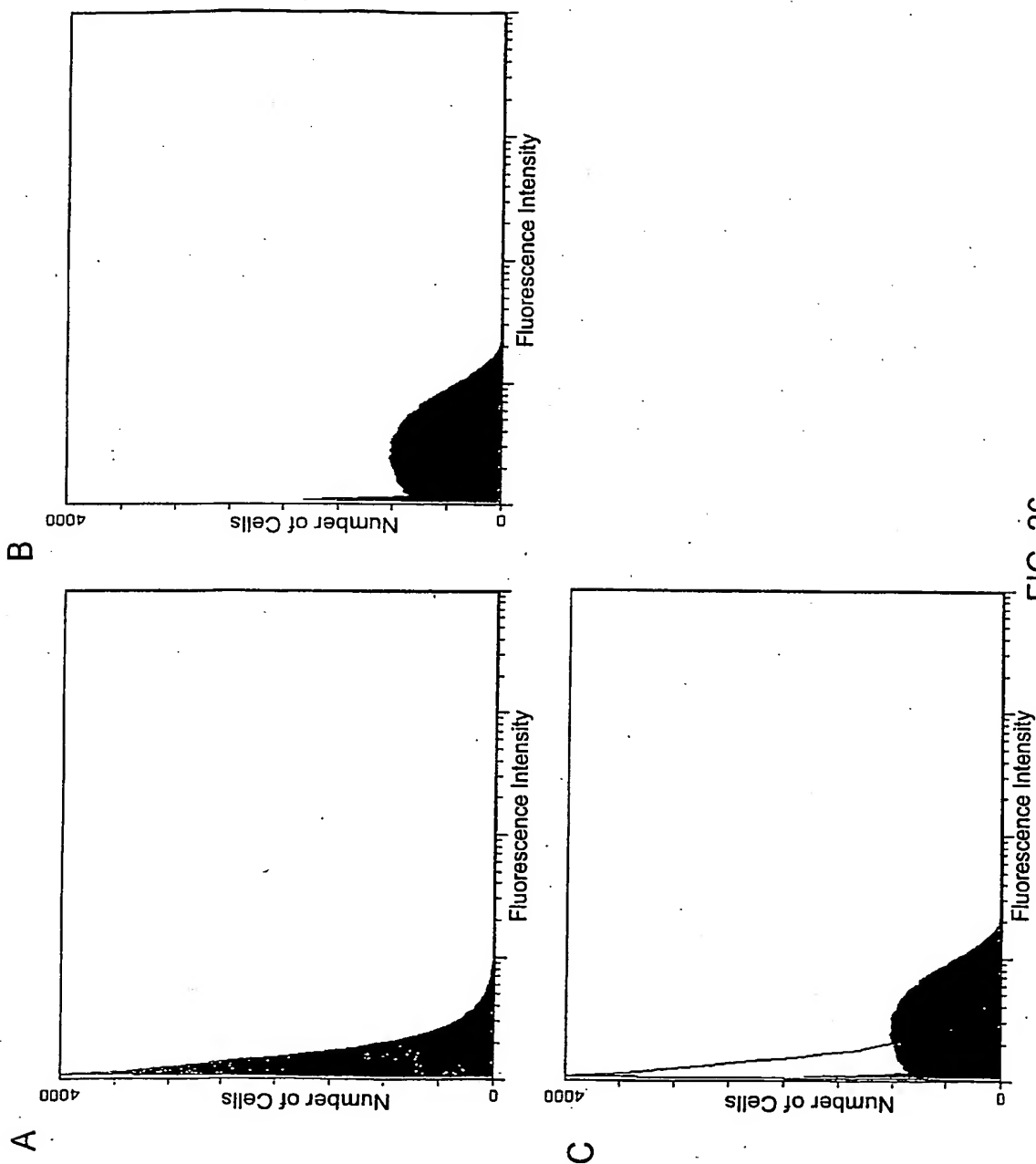


FIG. 26

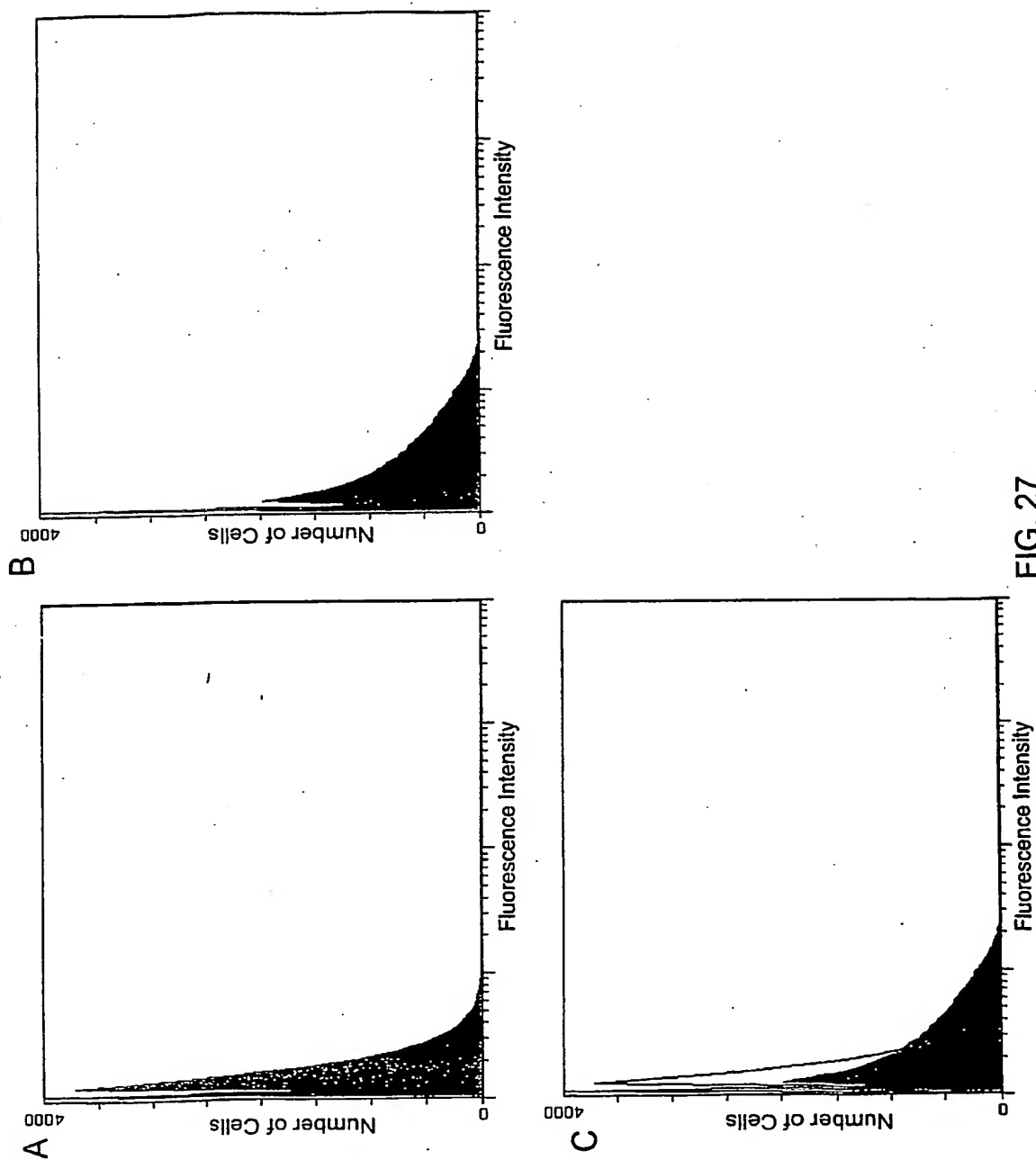


FIG. 27

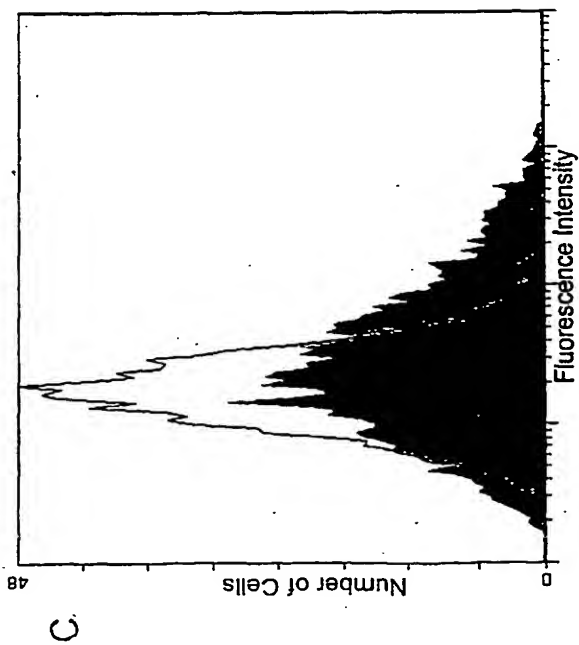
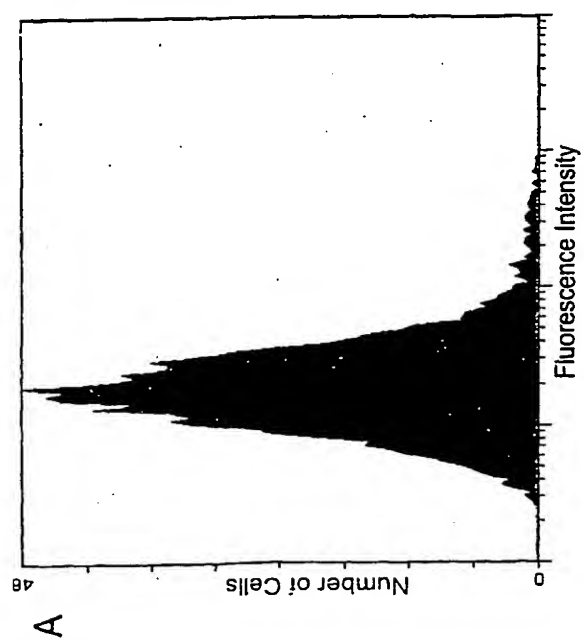
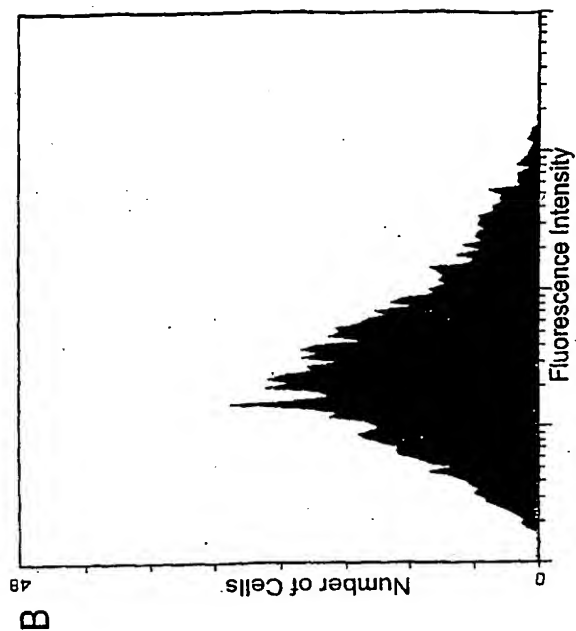


FIG. 28

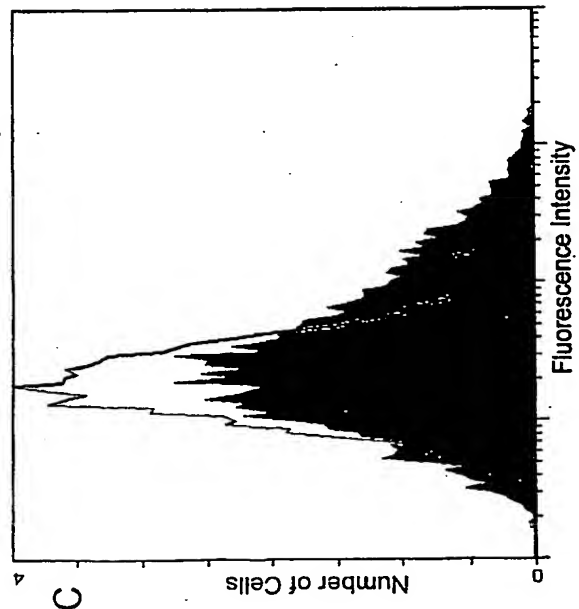
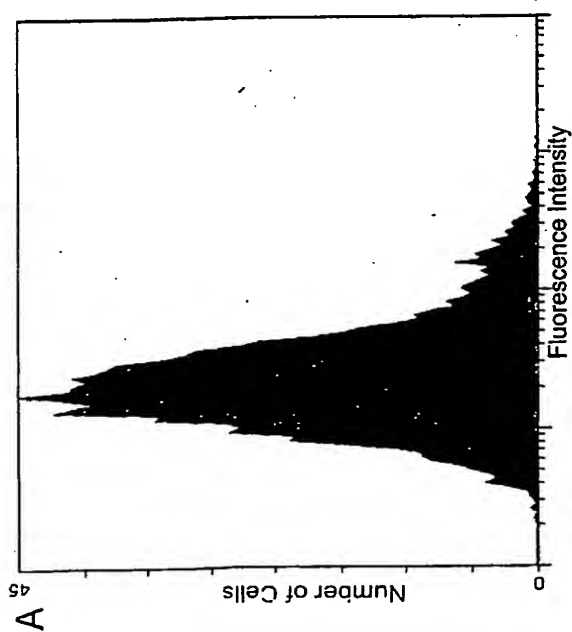
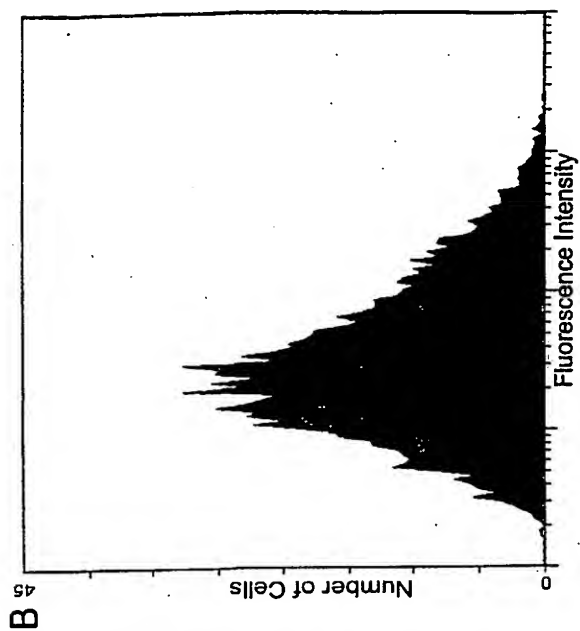
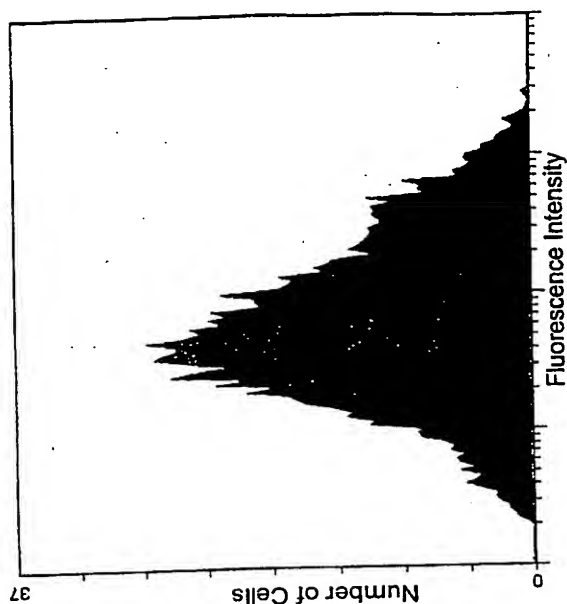
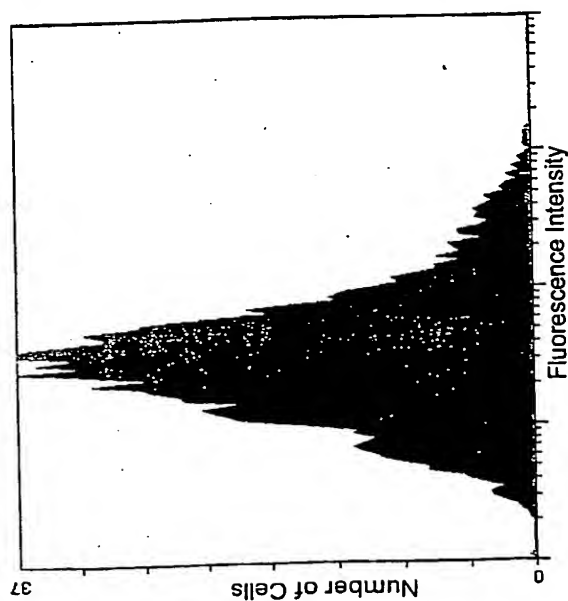


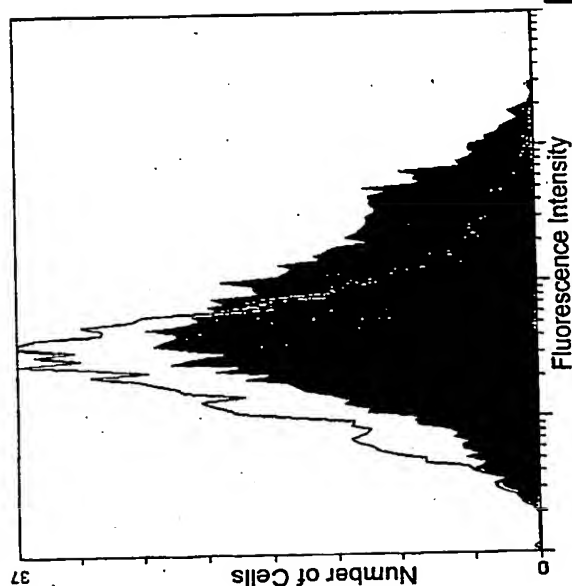
FIG. 29



B



A



C

FIG. 30

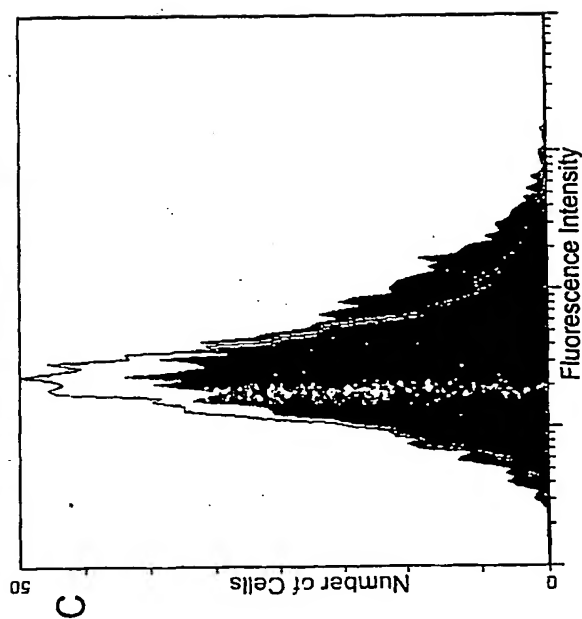
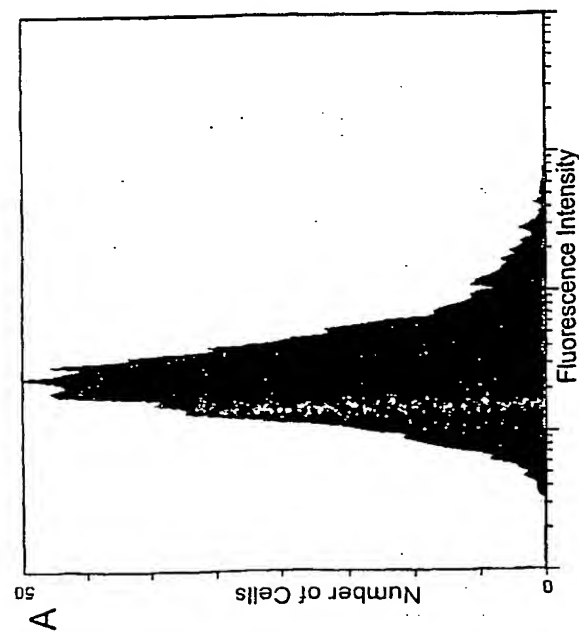
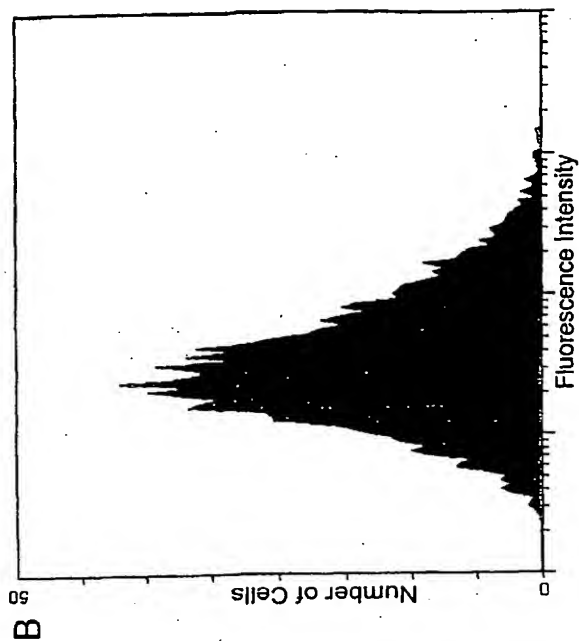


FIG. 31

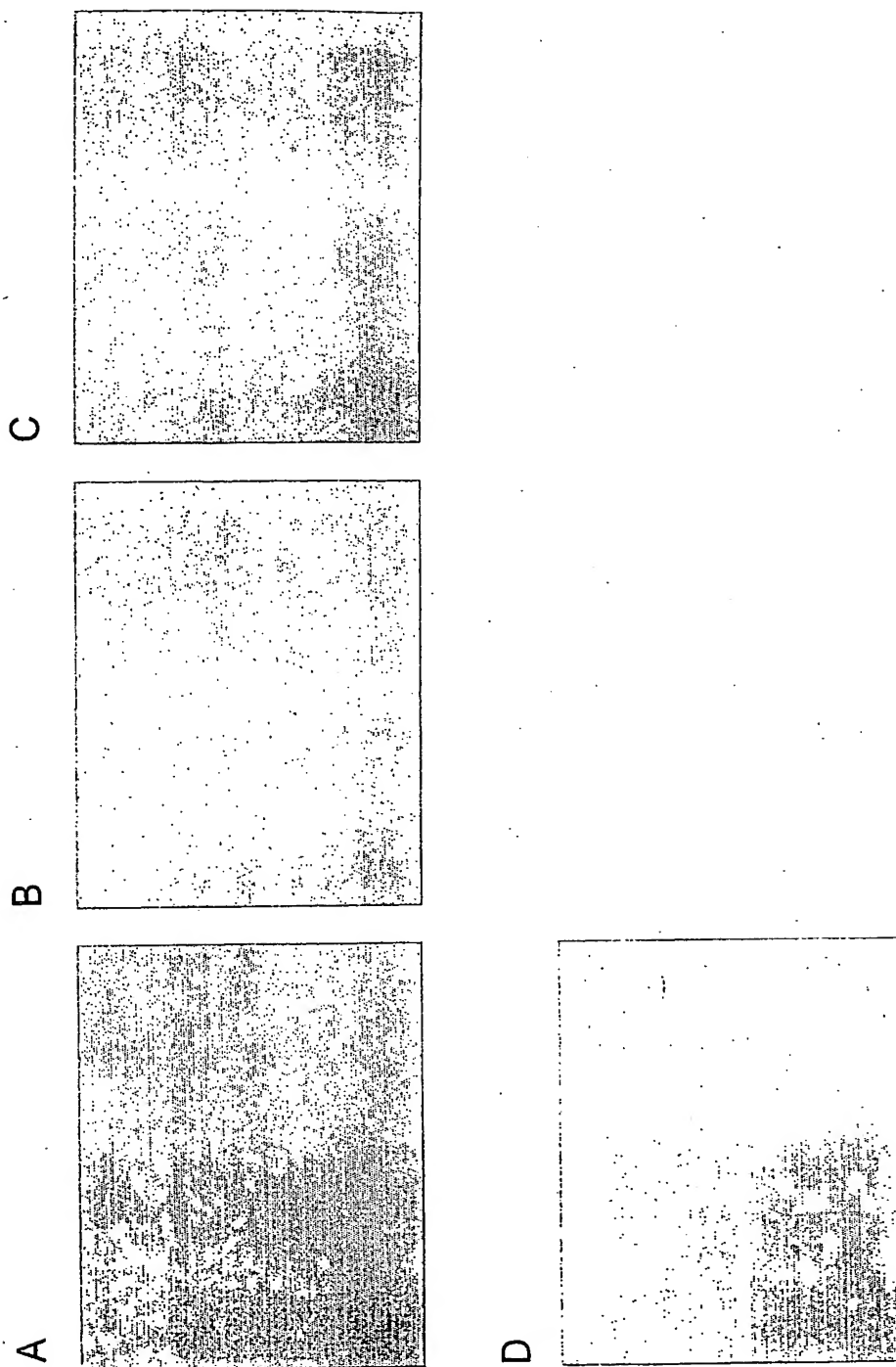


FIG. 32

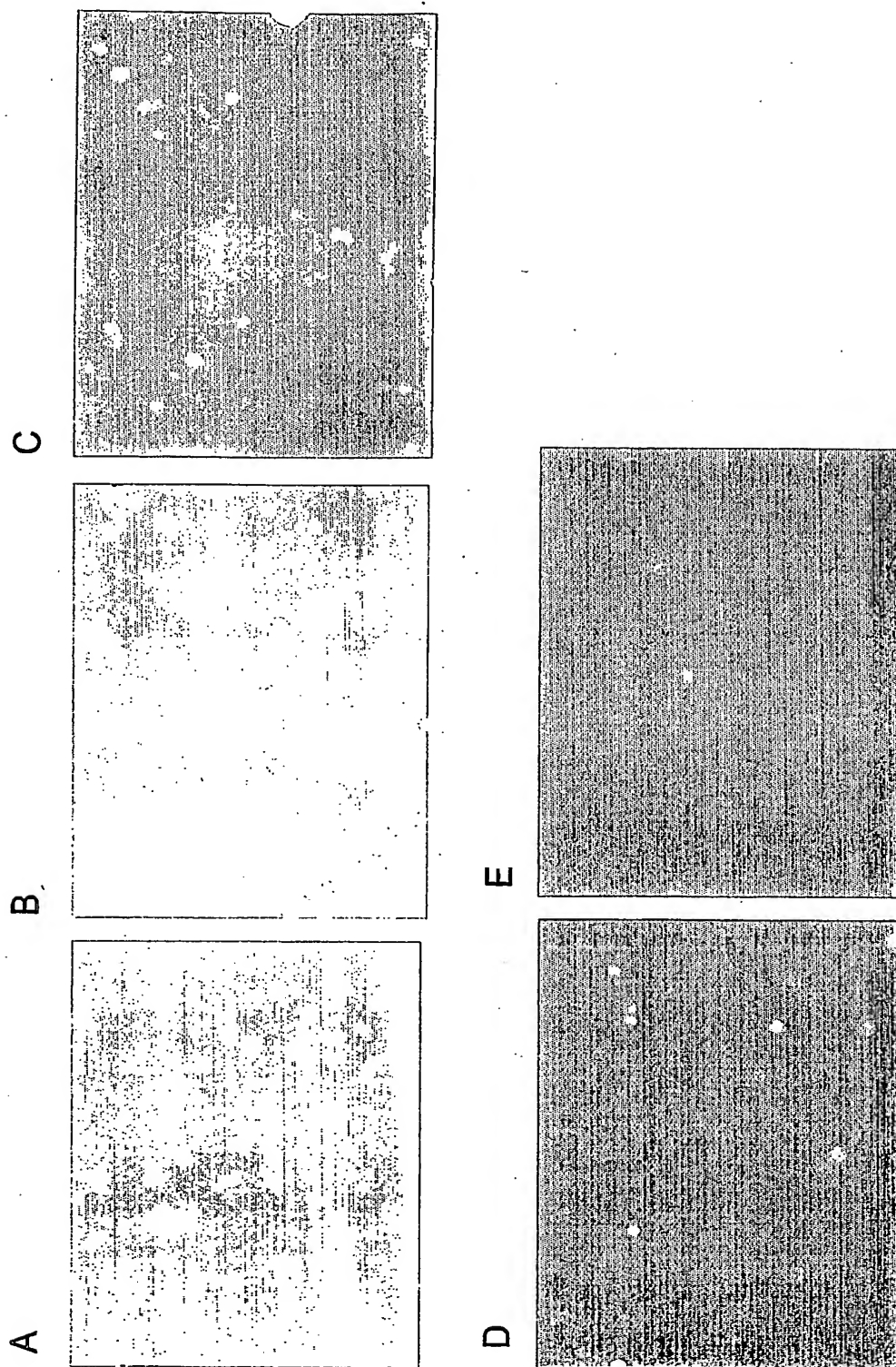


FIG. 33

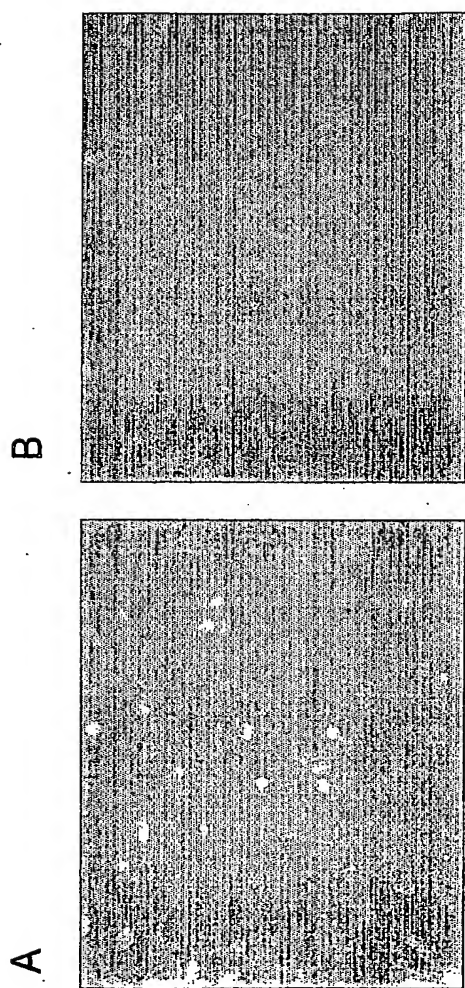


FIG. 34

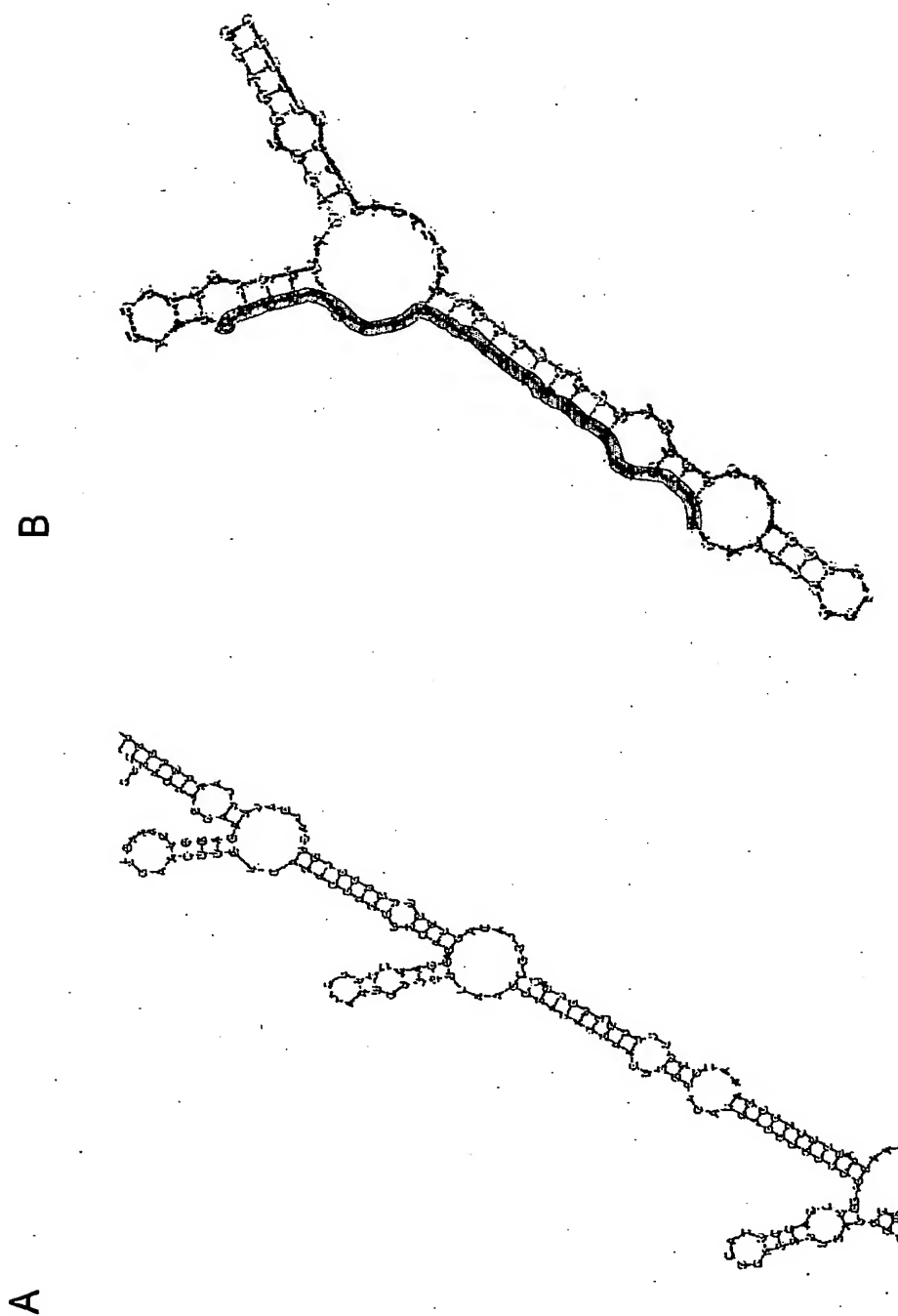


FIG. 36

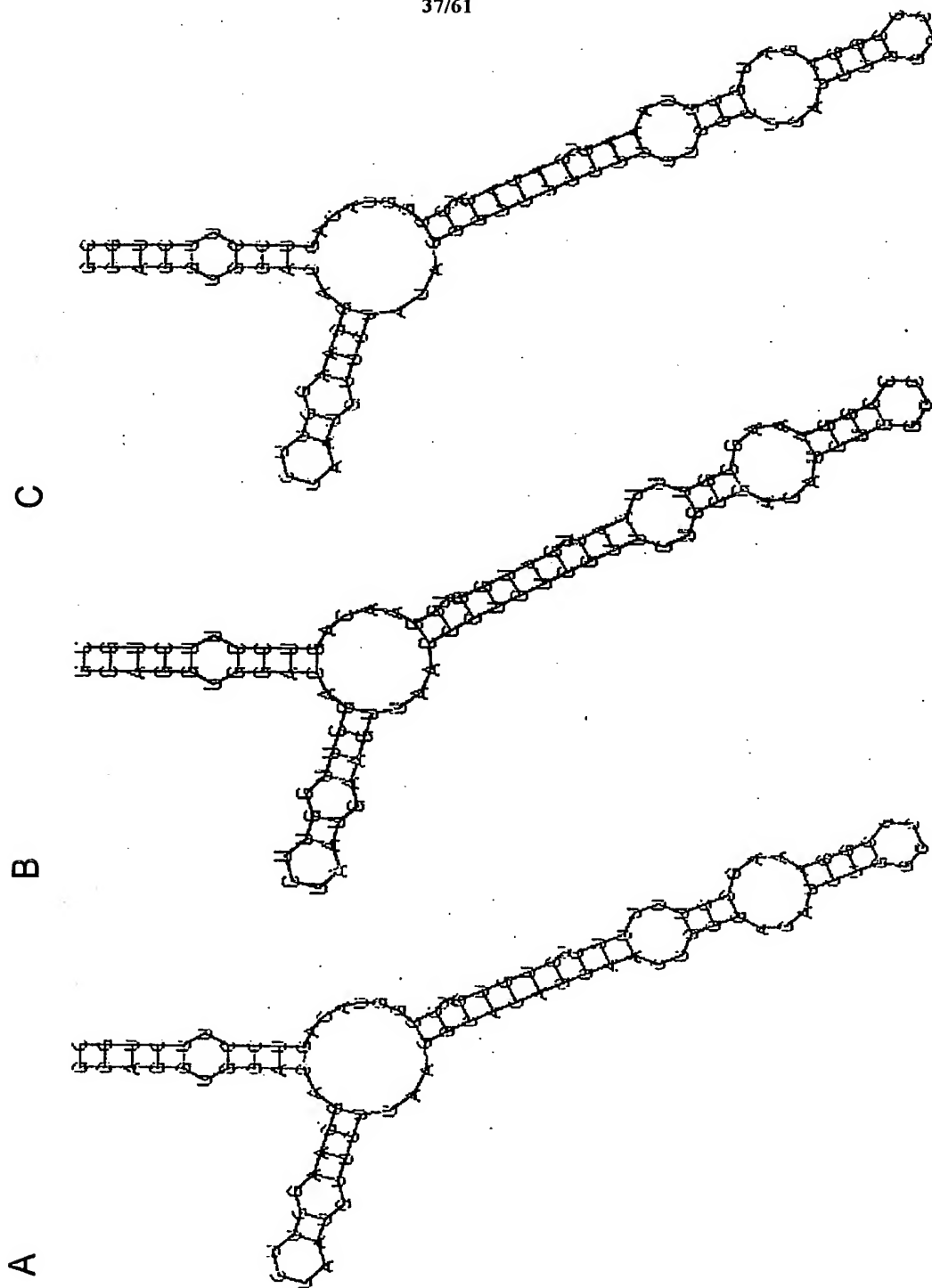


FIG. 37

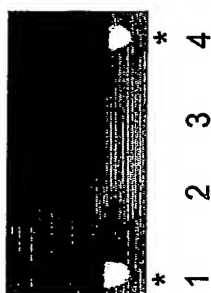


FIG. 38

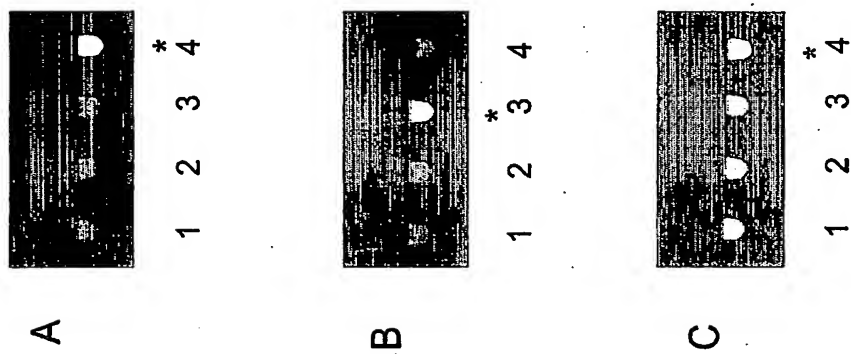


FIG. 39

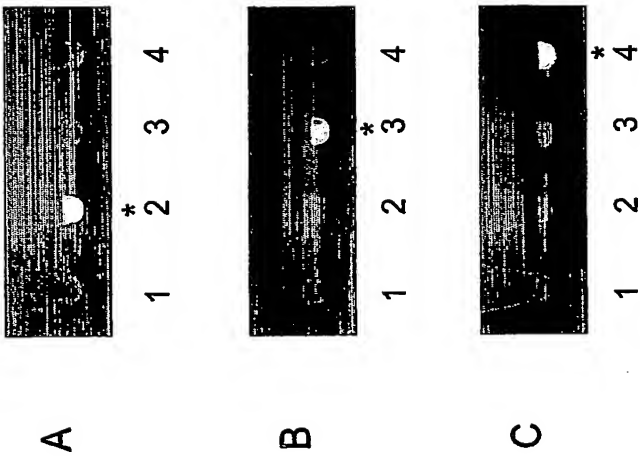
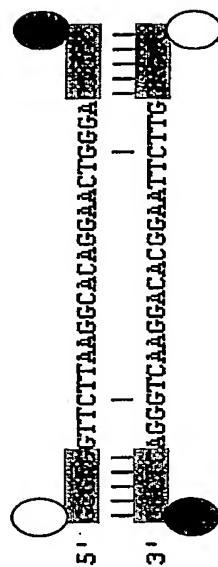
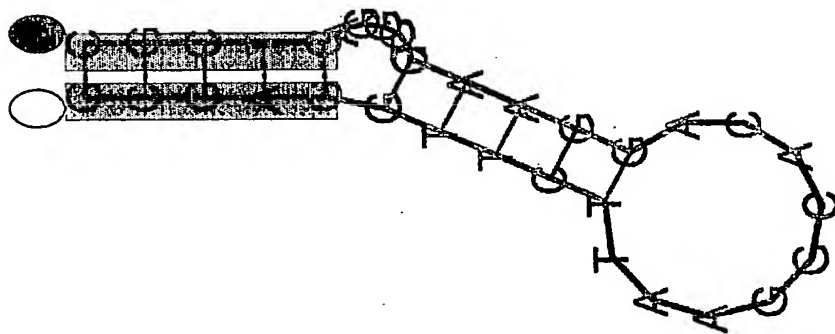


FIG. 40

B



A



FP18 5' GCGAG GTTCTTAAGGCACAGGAAGTGGGA CTCGC 3'

FIG. 41

A
GCAGGTGGACAGGAAGTTCTAATGTTCTTAAGGCACA
GGAAGTGGGACATCTGGCCCCGGAAAGCCTTTTCTCT
GTGATCCGGTACAGTCCTTCTGC

B
GCAGGTGGACAGCTTGTTCTAATGAAGTTAACCCCTGT
CGTTCTGCGACATCTGGCCCCGGAAAGCGTTTAACUGA
TGGAUUGAACAGTCCTTCTGC

C
GCAGGTGGACAGGAAGTTCTAATGTTCTATAGGGTCT
GCTTGTCGCTCATCTGGCCCCGGAGATGCGT
AAAGTCAGACATCCGGTACAGTCCTTCTGC

D
1 GTTCTTAAGGCACAGGAAGTGGGA
2 GAAGTTAACCTGTCGTTCTCGGA 50% different from target 1;
66% different from target 3
3 GTTCTATAGGTCGTCGTTCTCGCI 50% different from target 1

FIG. 42

start
GCAGGTGGACAGGAGTTCTAAAGTTCTTAAGGCACAGGAAGTGGGACATCTGGGCCCGAAGCCCTTTTCTCTGTGATCCGGTACAGTCCTTC
TGC

1
GCAGTGGACAGCTTGTTCTAATGAGTTACCCCTGCTGTTCTCGACATCTGGCCCGGAACGGTTTAACTGACAGATGGGGTACAGTCCTTC
TGC

2
GCAGGTGGACAGCTGGTTCTAATGAAGTTAACCTCTGTTCTGGACATCTGGCCCGGAAGCGTTTAACTGACA]GATGGGGTACAGTCCT
TCTGC

3
GCAGGTGCAGAGCTTGGTTCTATGAAGTTACCGCTGCTGCTTCTGCGACATCTGGCCCGGAAGCGTTTAAC[[T]]GATGGGGTACAGTCCTTC
TGC

4
GCAGGTGCACAGCTTGGTTCTAATGAAGTTAACCTGTCTCTTGGCACAATCGGCCCGGAAGCGTTTAAGTGATGG[[LAT]]GGTACAGTCTCTTGG

5 GCAGGTGGACAGCTTGGTTCTAATGAAGTTAACCGTGTCTTGGCCATCTGGCCCGGAAGCGTTTAAGTATGGATGGACACAGTCCTTCTG
C

modifications of sequence compared to previous sequence:

- 1 underlined = change in bases
- 2 [single bracket] = bases cut out
- 3 [[double bracket]] = bases added
- 4 [[double bracket]] = bases added
- 5 underlined = change in bases

FIG. 43

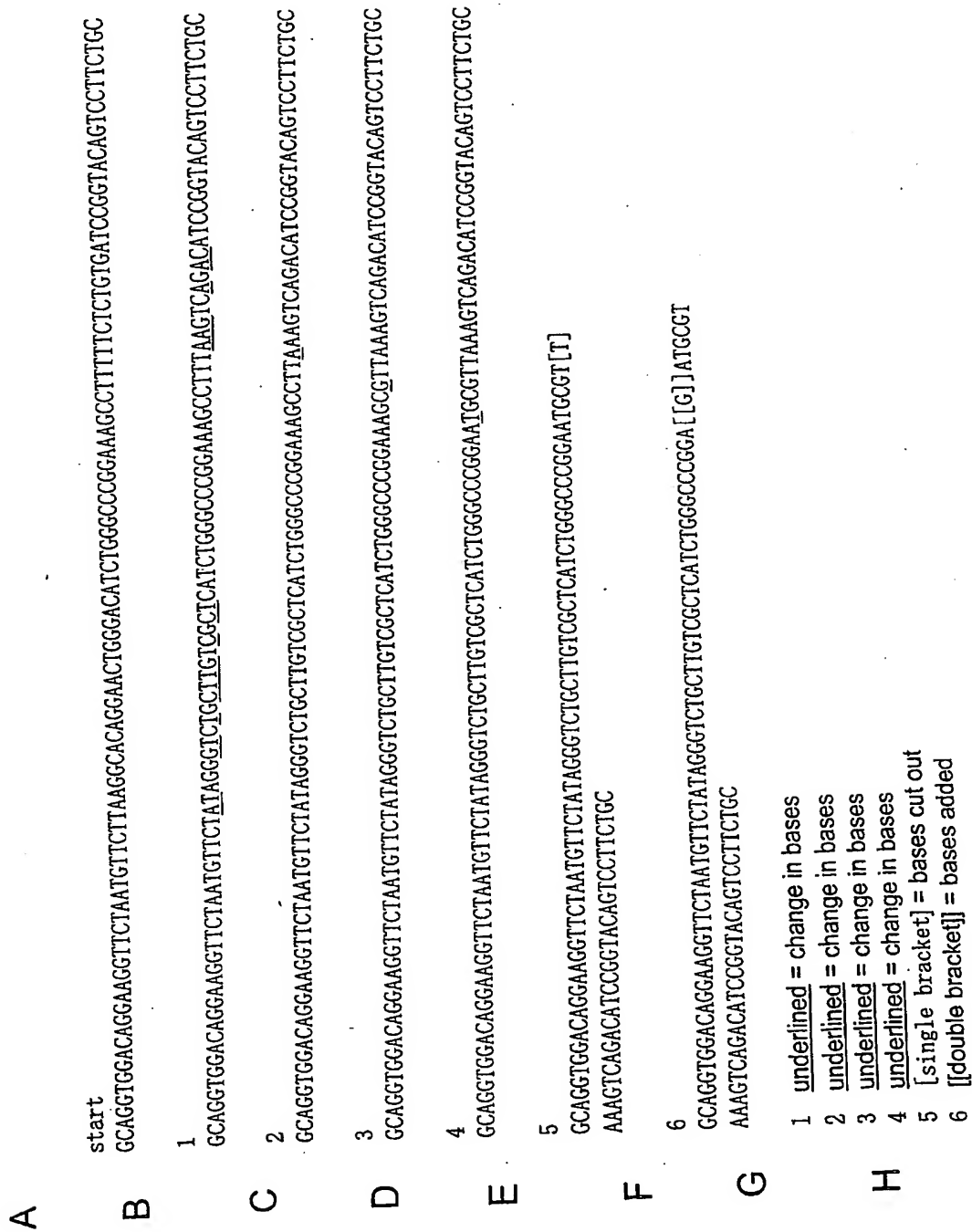


FIG. 44

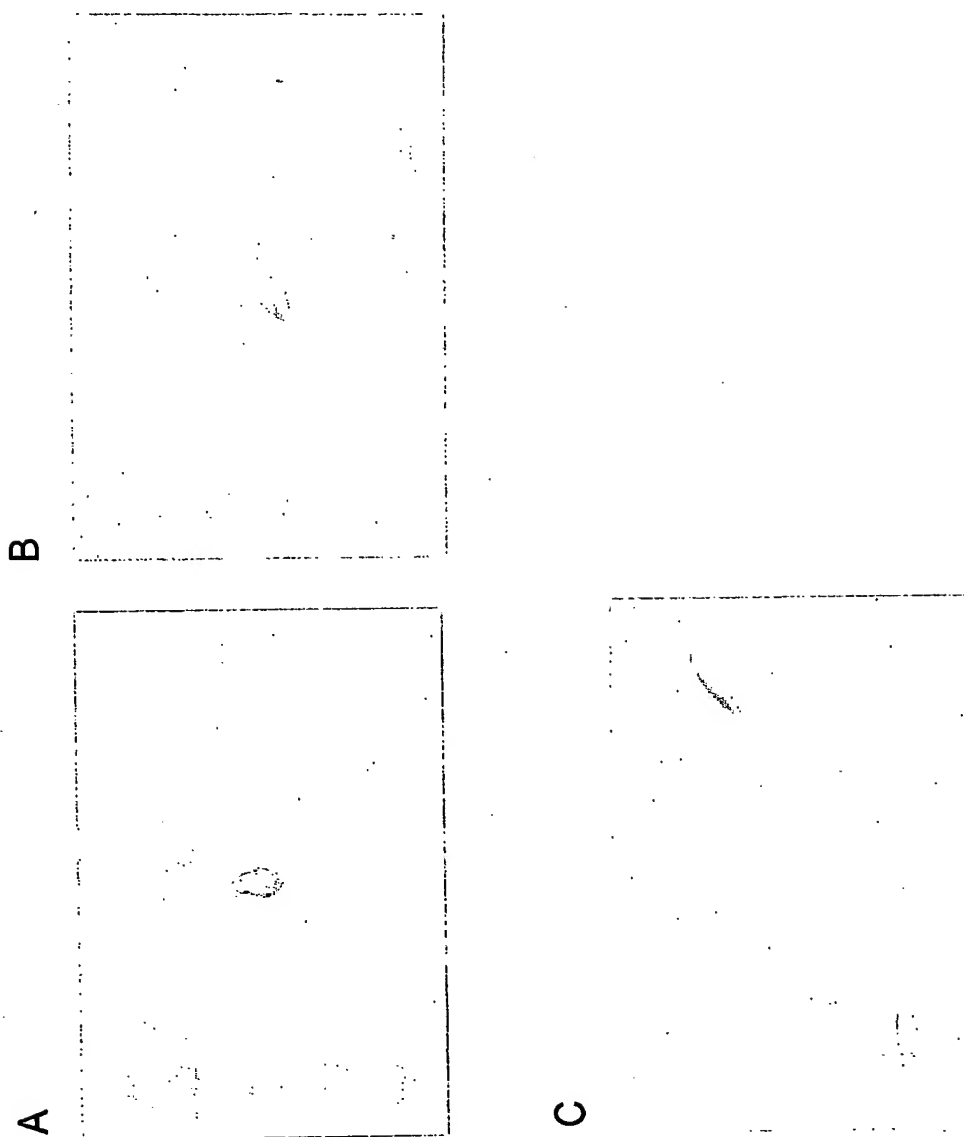


FIG. 45

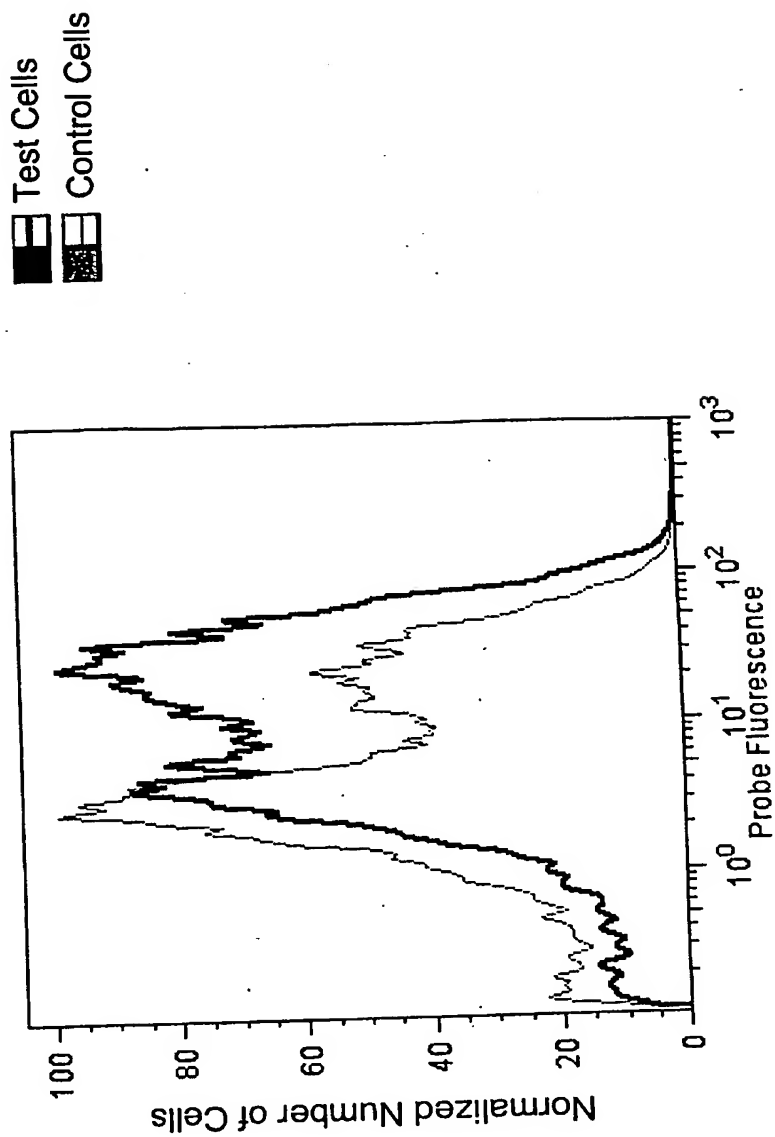


FIG. 46 mcon1

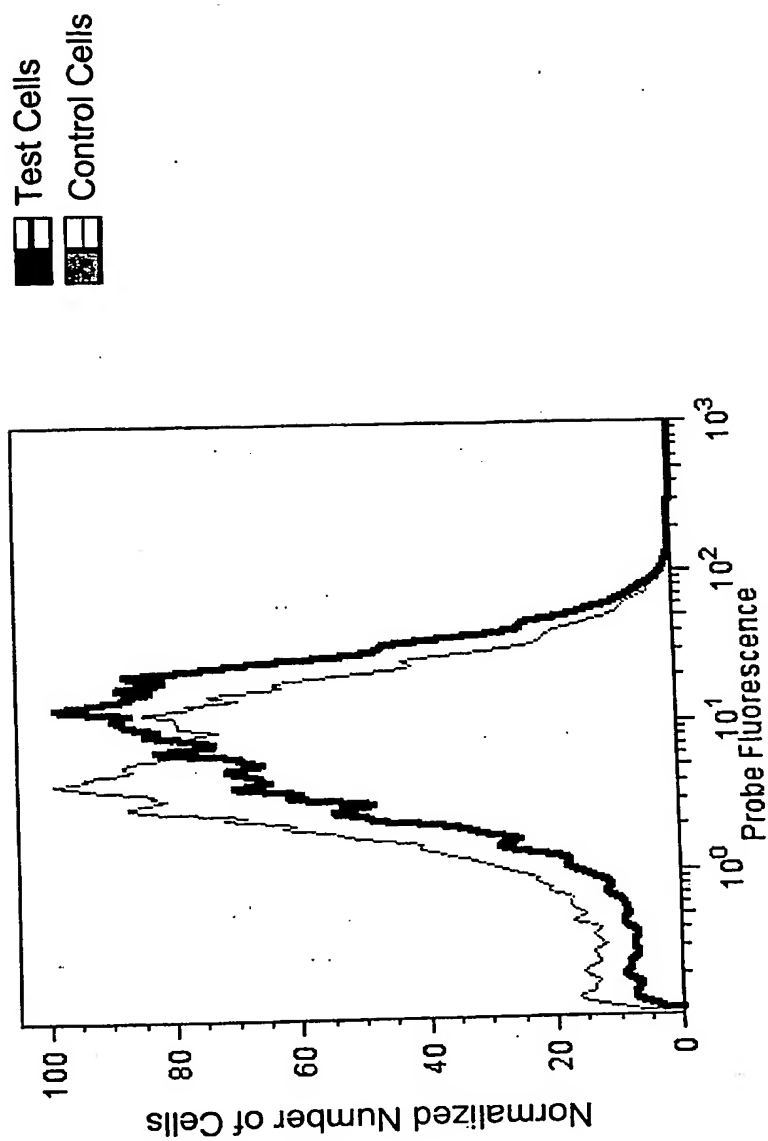


FIG. 47 mcon2

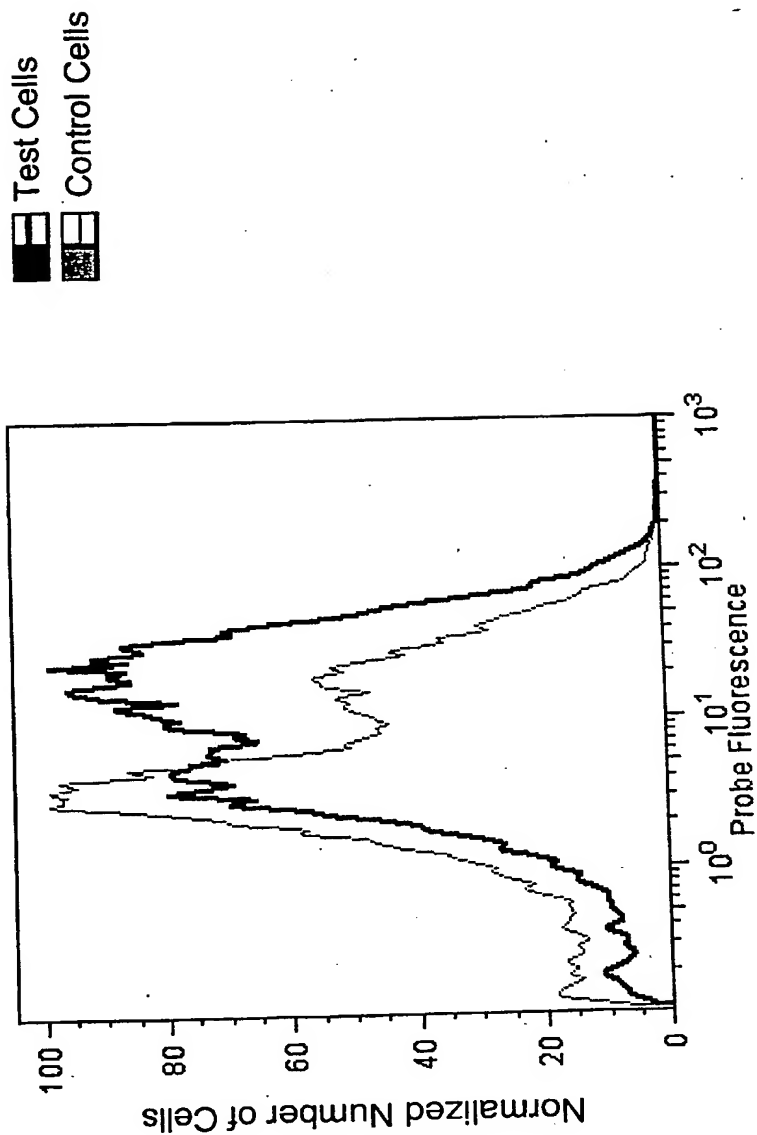


FIG. 48 mcon3

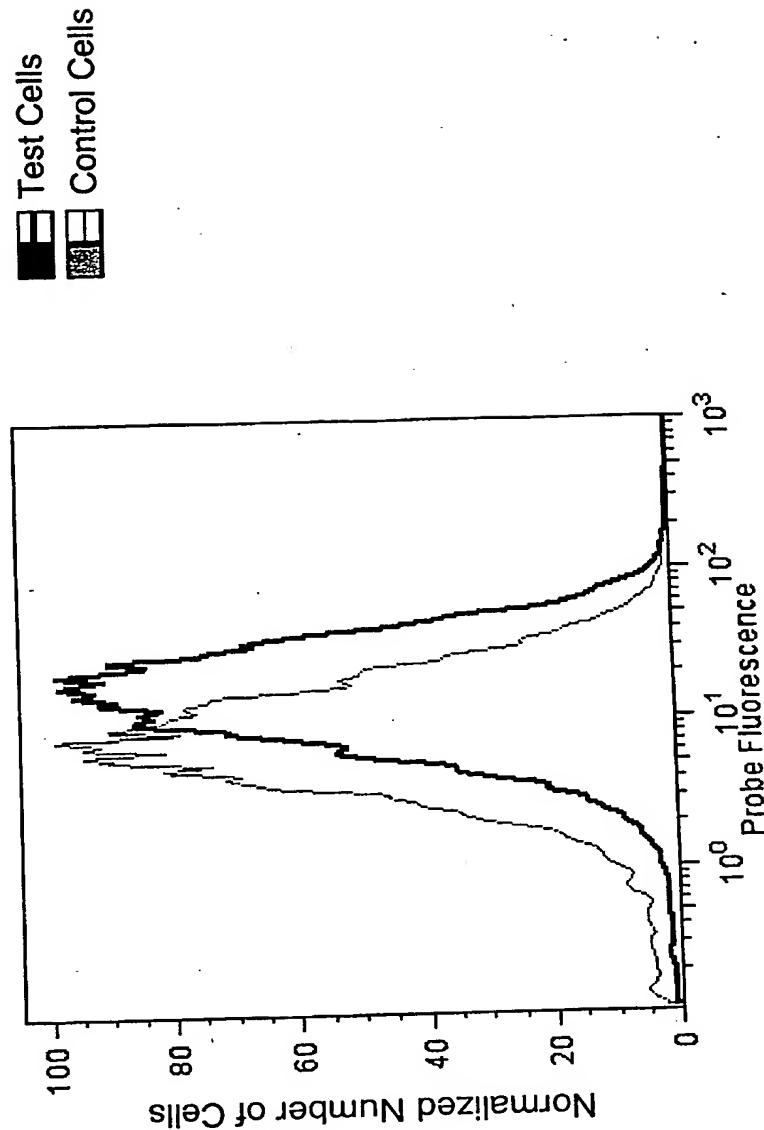


FIG. 49 mcon4

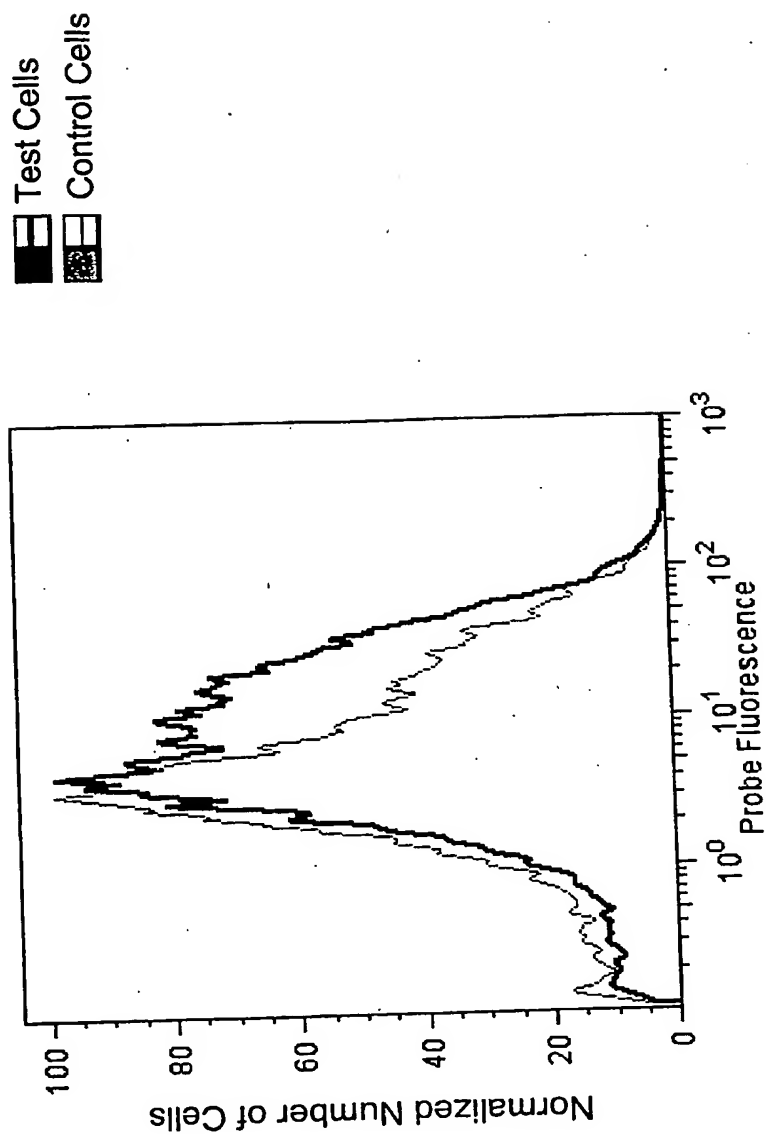


FIG. 50 mcon5

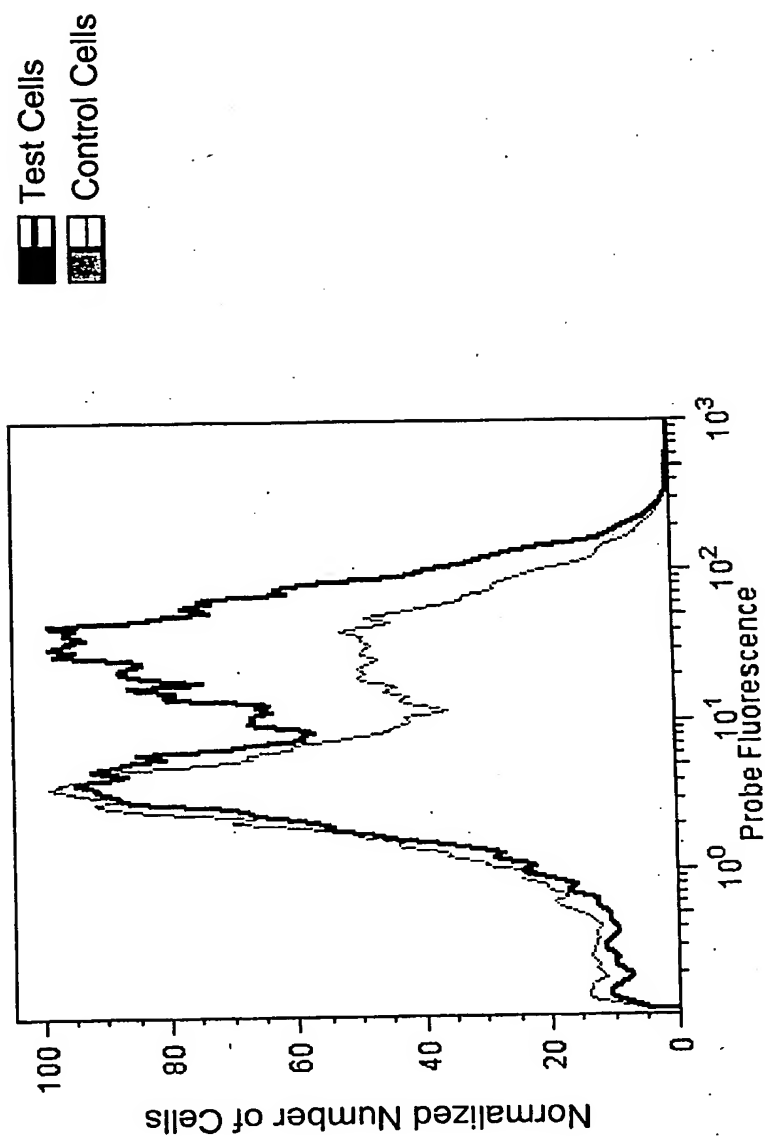


FIG. 51 mcon6

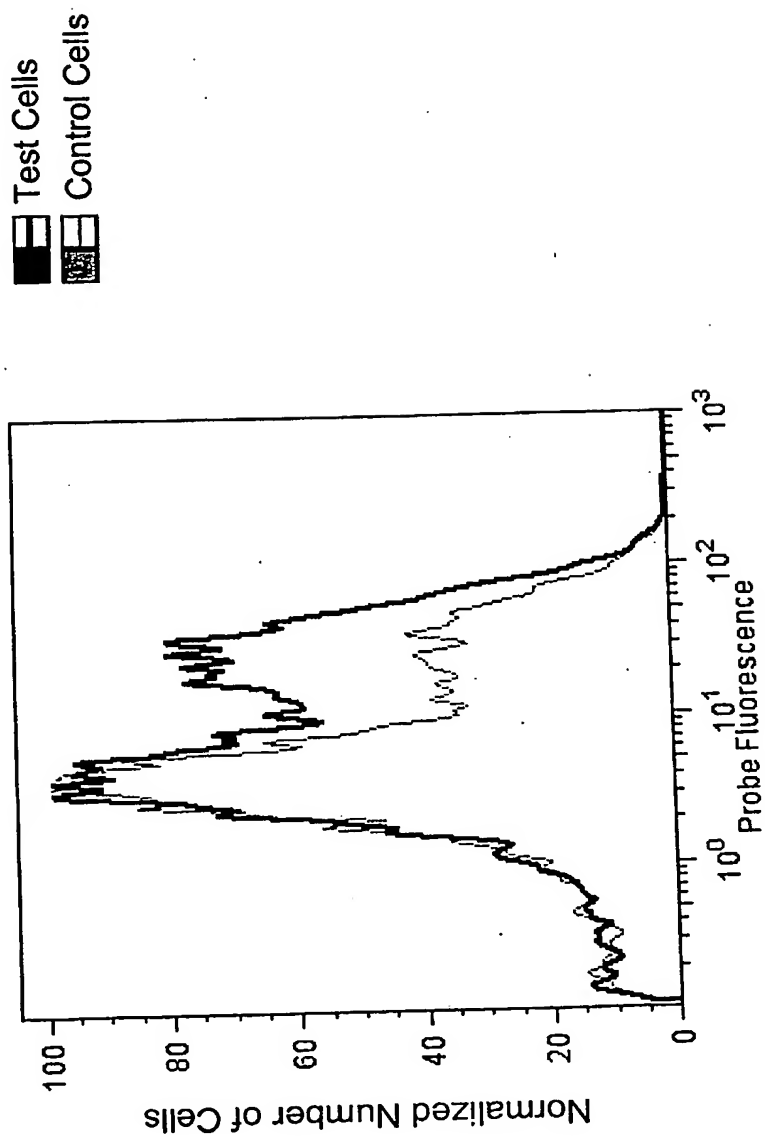


FIG. 52 mcon7

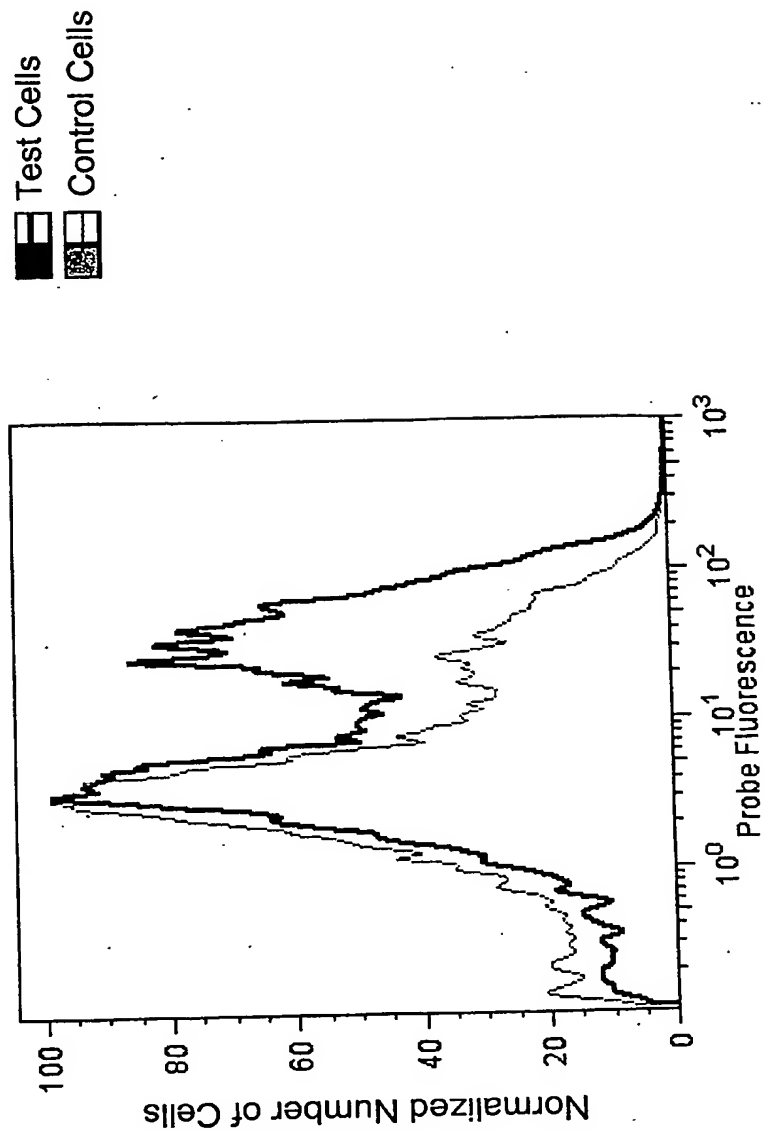


FIG. 53 mcon8

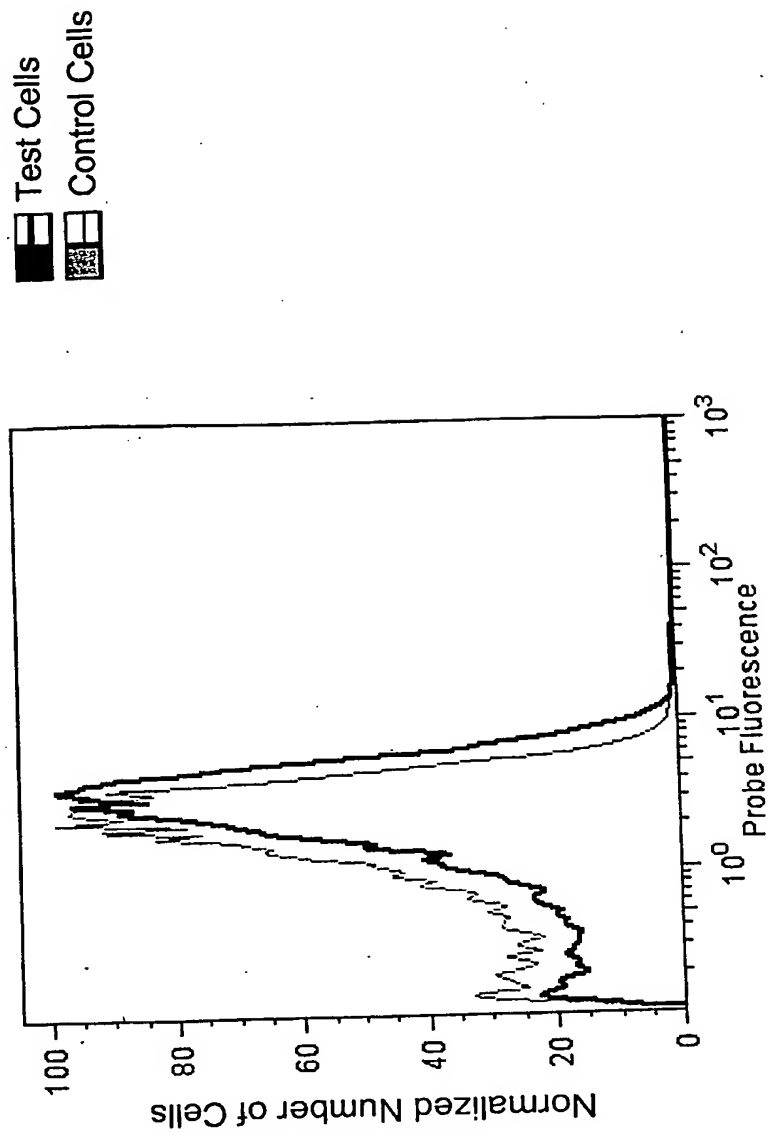


FIG. 54 mcon9

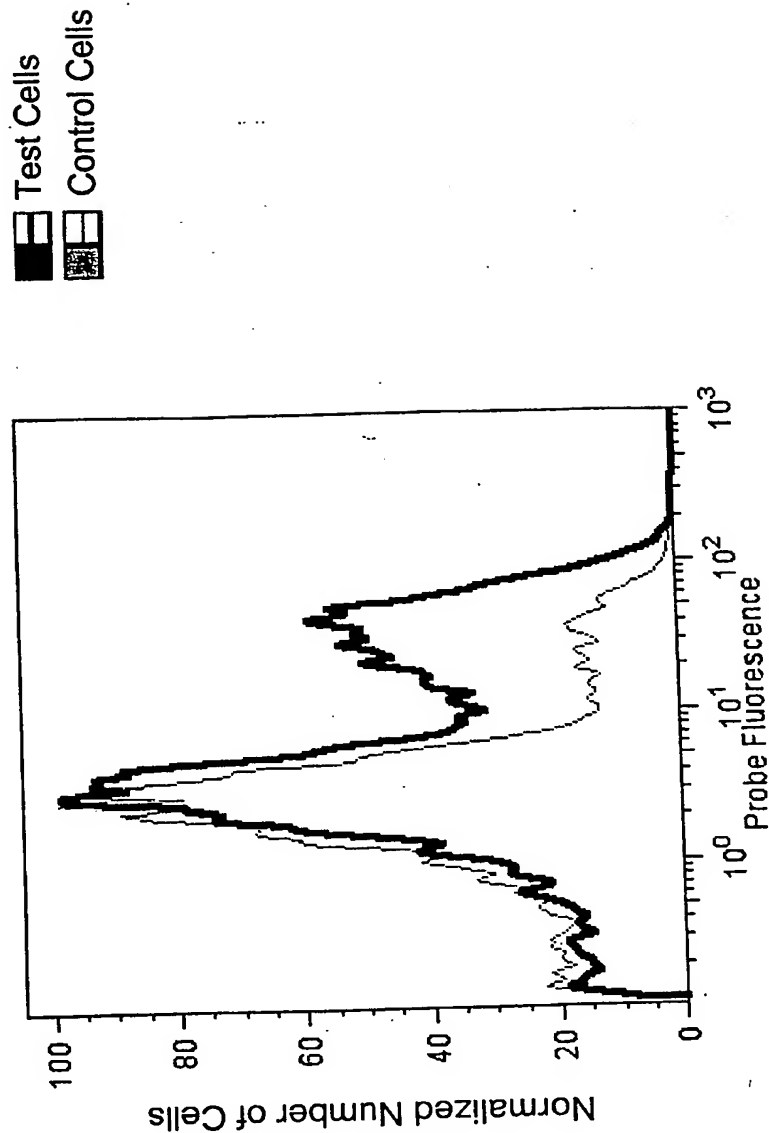


FIG. 55 mcon10

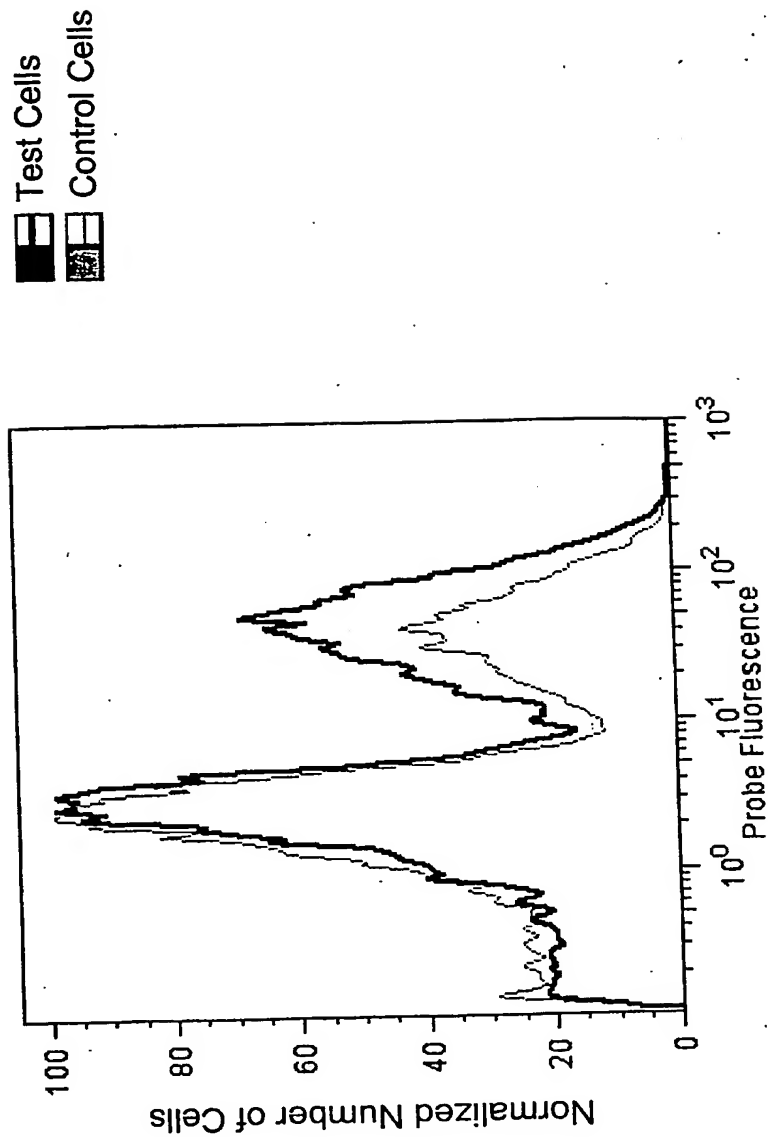


FIG. 56 mcon11

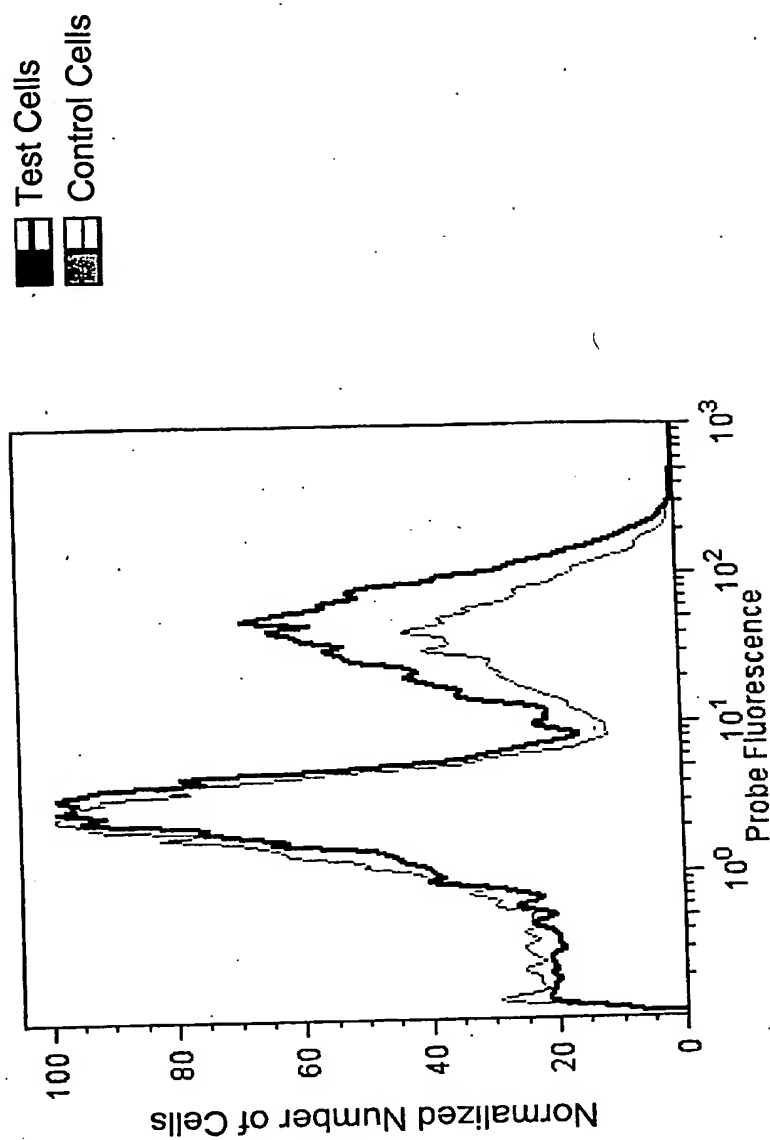


FIG. 56 mcon11

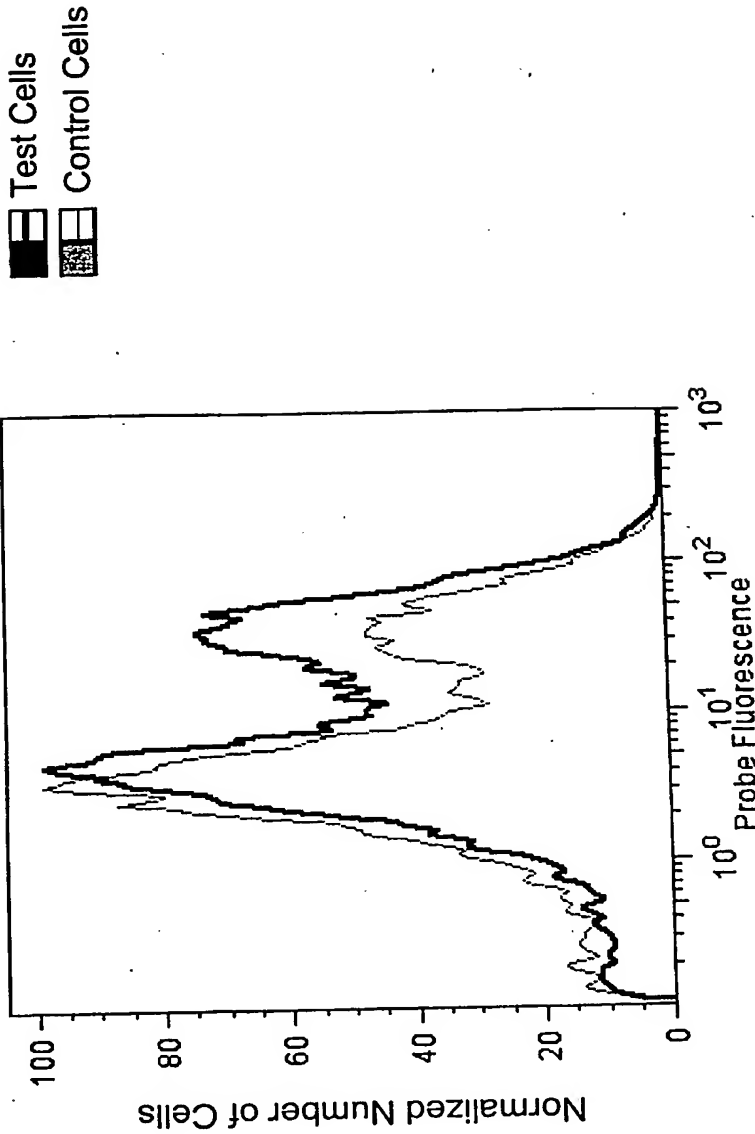


FIG. 57 mcon12

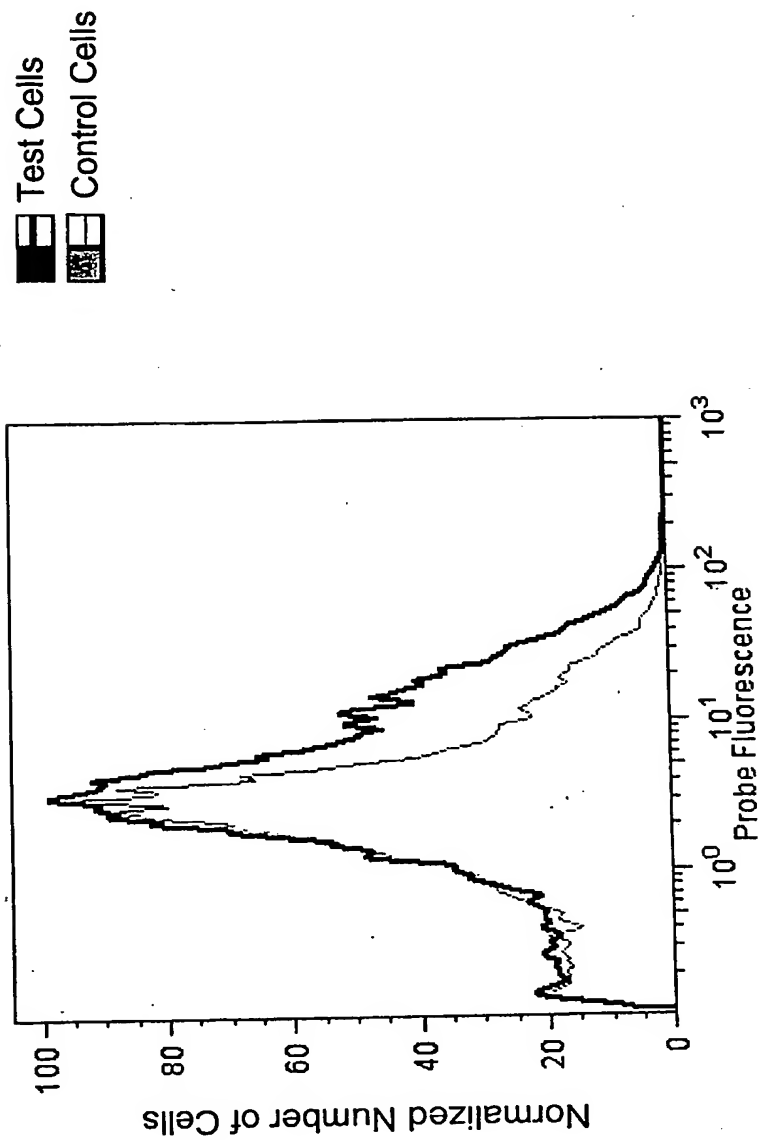


FIG. 58 mcon13

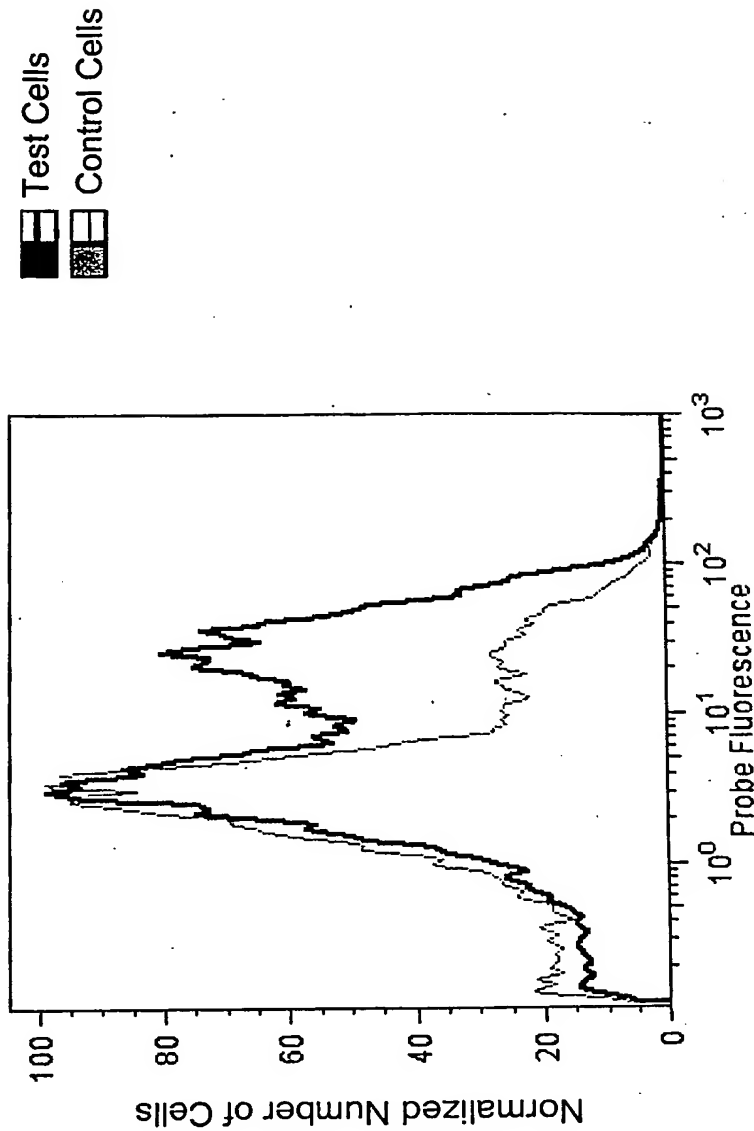


FIG. 59 mcon14

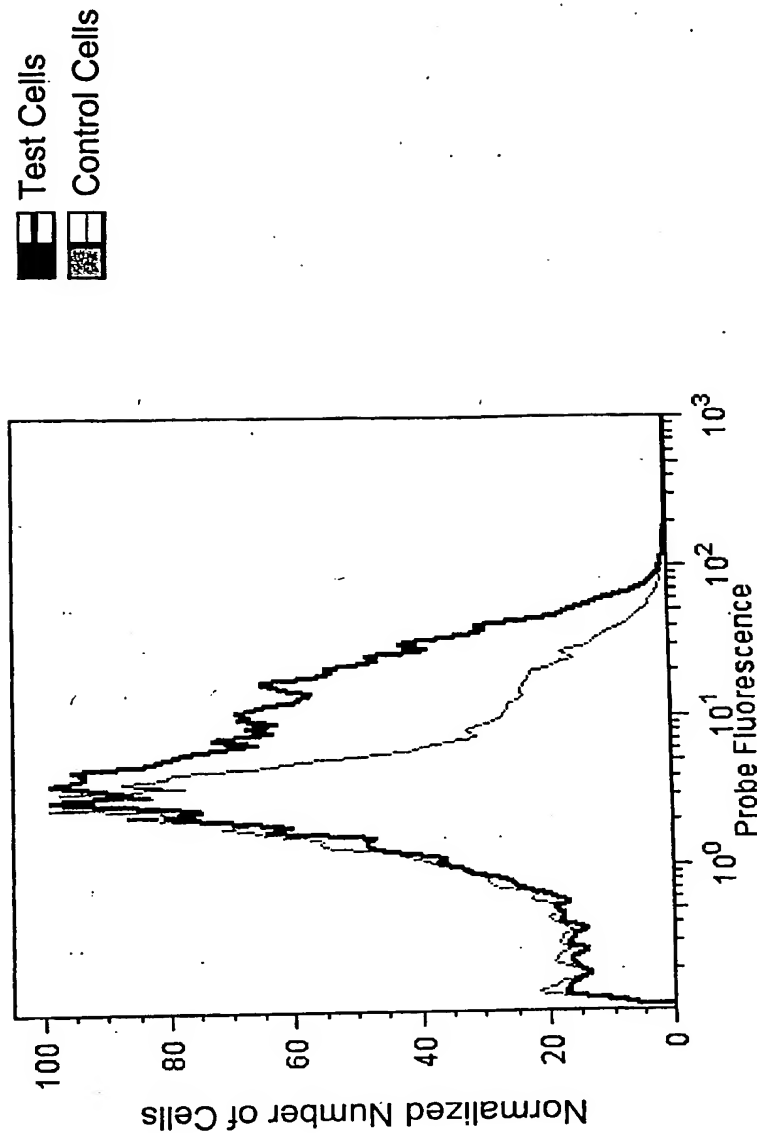


FIG. 60 mcon15